


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER AURORA STATE 2-32D-7-20				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT THREE RIVERS				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML 49956			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') BILL BARRETT CORP/CIRCLE B LAND						14. SURFACE OWNER PHONE (if box 12 = 'fee') 3032939100				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1099 18TH ST STE 2300, , DENVER, CO 80202						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1028 FNL 1702 FEL		NWNE	32	7.0 S	20.0 E	S		
Top of Uppermost Producing Zone		660 FNL 1980 FEL		NWNE	32	7.0 S	20.0 E	S		
At Total Depth		660 FNL 1980 FEL		NWNE	32	7.0 S	20.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1211			26. PROPOSED DEPTH MD: 7947 TVD: 7918				
27. ELEVATION - GROUND LEVEL 4795			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used	0	0.0	0.0
SURF	12.25	8.625	0 - 1200	24.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown	170	3.16	11.0
							Halliburton Premium , Type Unknown	270	1.36	14.8
PROD	7.875	5.5	0 - 7947	17.0	I-80 LT&C	9.5	Unknown	480	2.31	11.0
							Unknown	560	1.42	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brady Riley				TITLE Permit Analyst			PHONE 303 312-8115			
SIGNATURE				DATE 09/08/2014			EMAIL briley@billbarrettcorp.com			
API NUMBER ASSIGNED 43047547290000				APPROVAL  Permit Manager						

BILL BARRETT CORPORATION

DRILLING PLAN

Aurora State 2-32D-7-20

NWNE, 1028' FNL and 1702' FEL, Section 32, T7S-R20E, SLB & M (surface hole)

NWNE, 660' FNL and 1980' FEL, Section 32, T7S-R20E, SLB & M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth –MD</u>	<u>Depth –TVD</u>
Green River	3,395'	3,381'
Mahogany	4,416'	4,393'
Lower Green River*	5,442'	5,413'
Douglas Creek	5,515'	5,486'
Black Shale	6,407'	6,378'
Castle Peak	6,509'	6,480'
Uteland Butte	6,743'	6,714'
Wasatch*	7,447'	7,418'
TD	7,947'	7,918'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 1001'

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1200'	Rotating Head or Diverter (may pre-set surface with smaller rig)*
1200' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

*See Appendix A

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	1200'	8 5/8"	24#	J-55	ST&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P110/I80	LT&C	New

Bill Barrett Corporation
Drilling Program
Aurora State 2-32d-7-20
Uintah County, Utah

5. Cementing Program

16" Conductor Casing	Grout
8 5/8" Surface Casing	Lead: 170 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 270 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 700'
5 1/2" Production Casing	Lead: 480 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 700' Tail: 560 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 4942'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> (API filtrate)	<u>Remarks</u>
0' – 1200'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
1200' – 5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 56	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3911 psi* and maximum anticipated surface pressure equals 2169 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

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Drilling Program
Aurora State 2-32d-7-20
Uintah County, Utah

9. **Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. **Location and Type of Water Supply**

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC
43-12345 (F78949): Dale Anderson
43-10664 (A38472): W. E. Gene Brown
49-1645 (A35800): RN Industries, Inc.
49-2336 (t78808): RN Industries, Inc.
43-8496 (A53617): A-1 Tank Rental
43-10288 (A65273): Nile Chapman (RNI)
49-2247 (F76893): Magnum Water Service
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

11. **Drilling Schedule**

Location Construction: DEC 2014
Spud: DEC 2014
Duration: 15 days drilling time
6 days completion time

12. **Appendix A**

8-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



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AURORA CEMENT VOLUMES

Well Name: Aurora State 2-32d-7-20

Surface Hole Data:

Total Depth:	1,200'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	8.625"

Calculated Data:

Lead Volume:	505.6	ft ³
Lead Fill:	700'	
Tail Volume:	361.1	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	170
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	700'	

# SK's Tail:	270
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Production Hole Data:

Total Depth:	7,947'
Top of Cement:	700'
Top of Tail:	4,942'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1102.4	ft ³
Lead Fill:	4,242'	
Tail Volume:	781.0	ft ³
Tail Fill:	3,005'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	480
# SK's Tail:	560

Aurora State 2-32d-7-20 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (700' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 700'
	Volume: 90.04 bbl
	Proposed Sacks: 170 sks
Tail Cement - (TD - 700')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 500'
	Volume: 64.32 bbl
	Proposed Sacks: 270 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4942' - 700')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 700'
	Calculated Fill: 4,242'
	Volume: 196.33 bbl
	Proposed Sacks: 480 sks
Tail Cement - (7947' - 4942')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 4,942'
	Calculated Fill: 3,005'
	Volume: 139.09 bbl
	Proposed Sacks: 560 sks

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: **Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer.** The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. **Pressure Rating:** 5,000 psi

C. **Testing Procedure:**

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

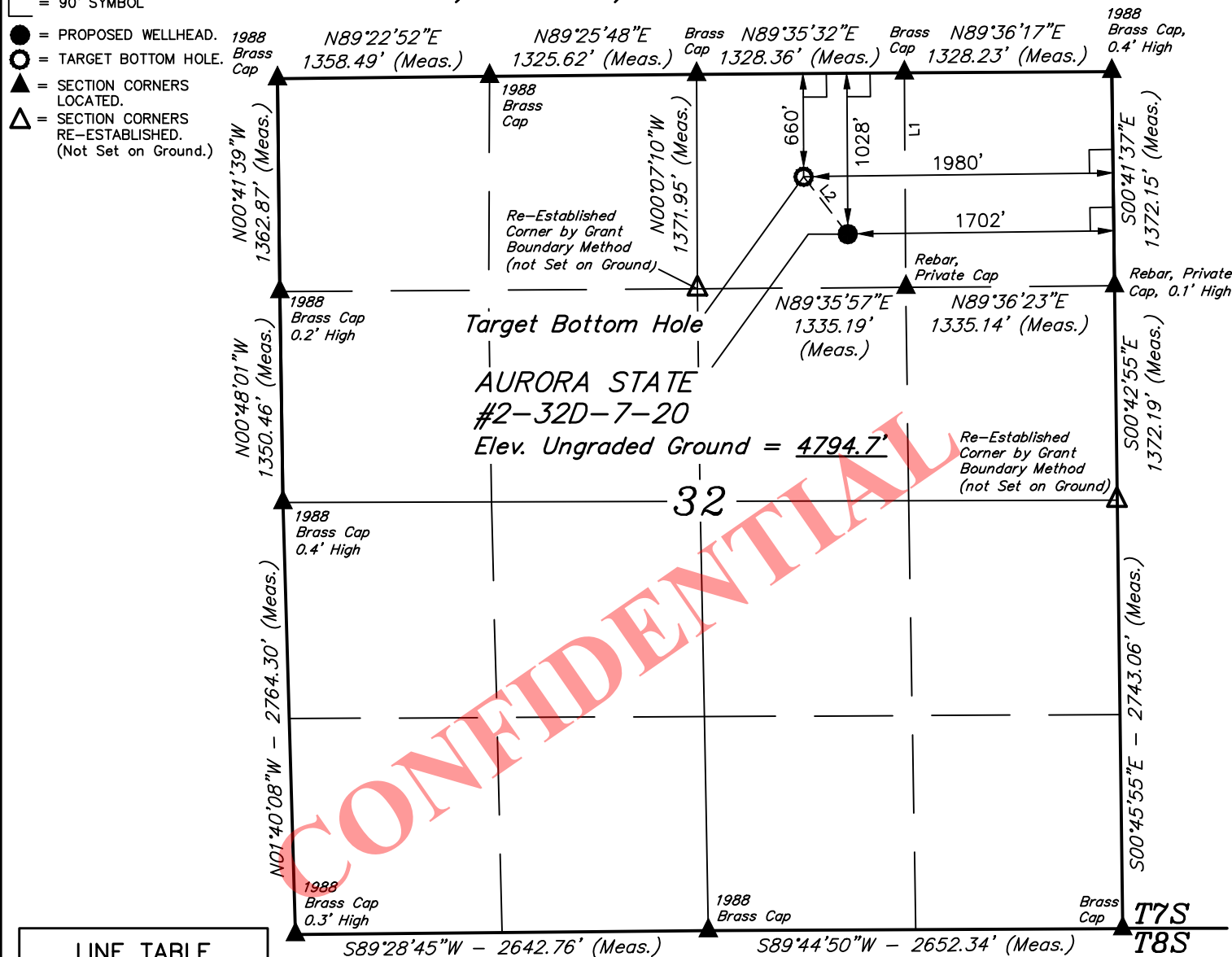
LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELLHEAD.

○ = TARGET BOTTOM HOLE.

▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS RE-ESTABLISHED.
(Not Set on Ground.)**T7S, R20E, S.L.B.&M.****LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N00°24'18"W	1372.10'
L2	N37°37'36"W	462.76'



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'19.13" (40.171981)	LATITUDE = 40°10'15.50" (40.170972)
LONGITUDE = 109°41'25.81" (109.690503)	LONGITUDE = 109°41'22.18" (109.689494)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°10'19.26" (40.172017)	LATITUDE = 40°10'15.64" (40.171011)
LONGITUDE = 109°41'23.31" (109.689808)	LONGITUDE = 109°41'19.67" (109.688797)

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION

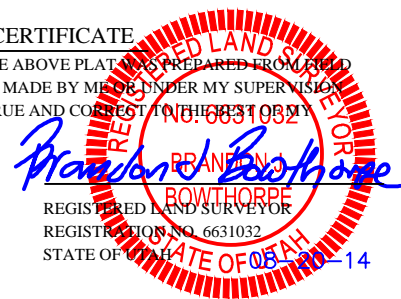
BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**BILL BARRETT CORPORATION**

AURORA STATE #2-32D-7-20
NW 1/4 NE 1/4, SECTION 32, T7S, R20E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY: R.R., C.W.	SURVEY DATE: 07-14-14
DRAWN BY: J.M.C.	DATE DRAWN: 07-23-14
SCALE: 1" = 1000'	REVISED: 00-00-00

WELL LOCATION PLAT

RECEIVED: September 08, 2014

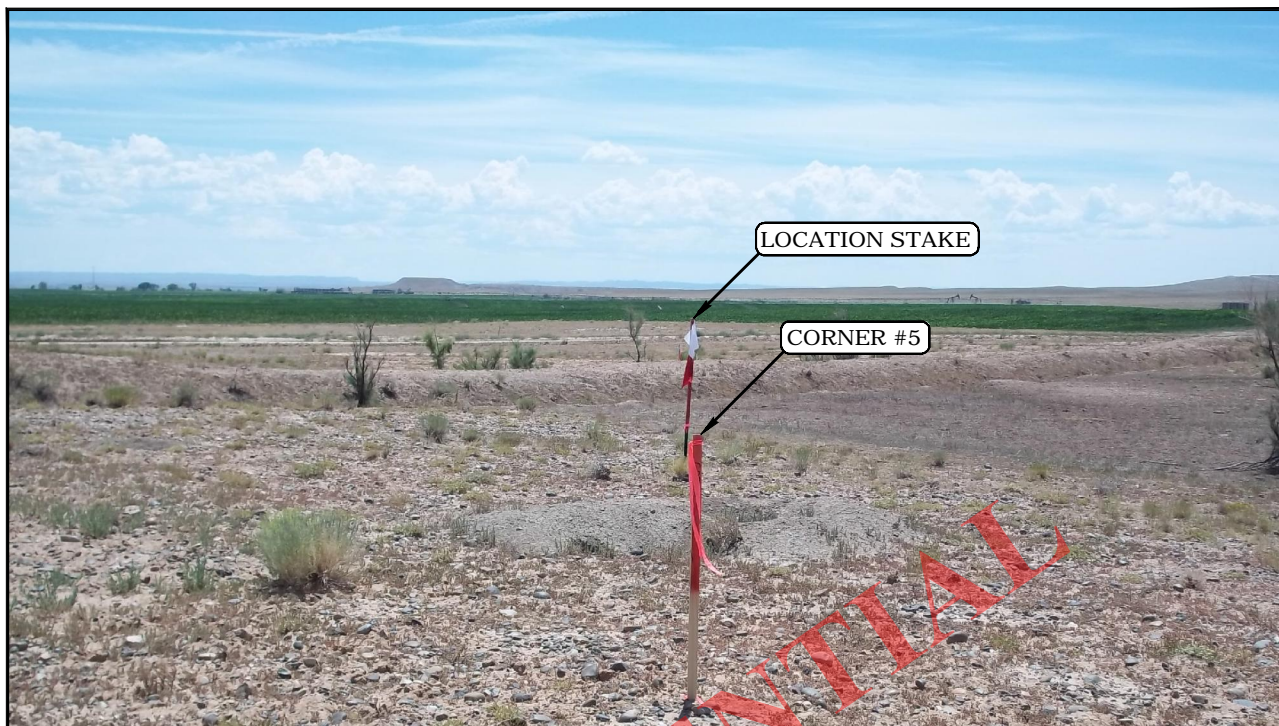


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY

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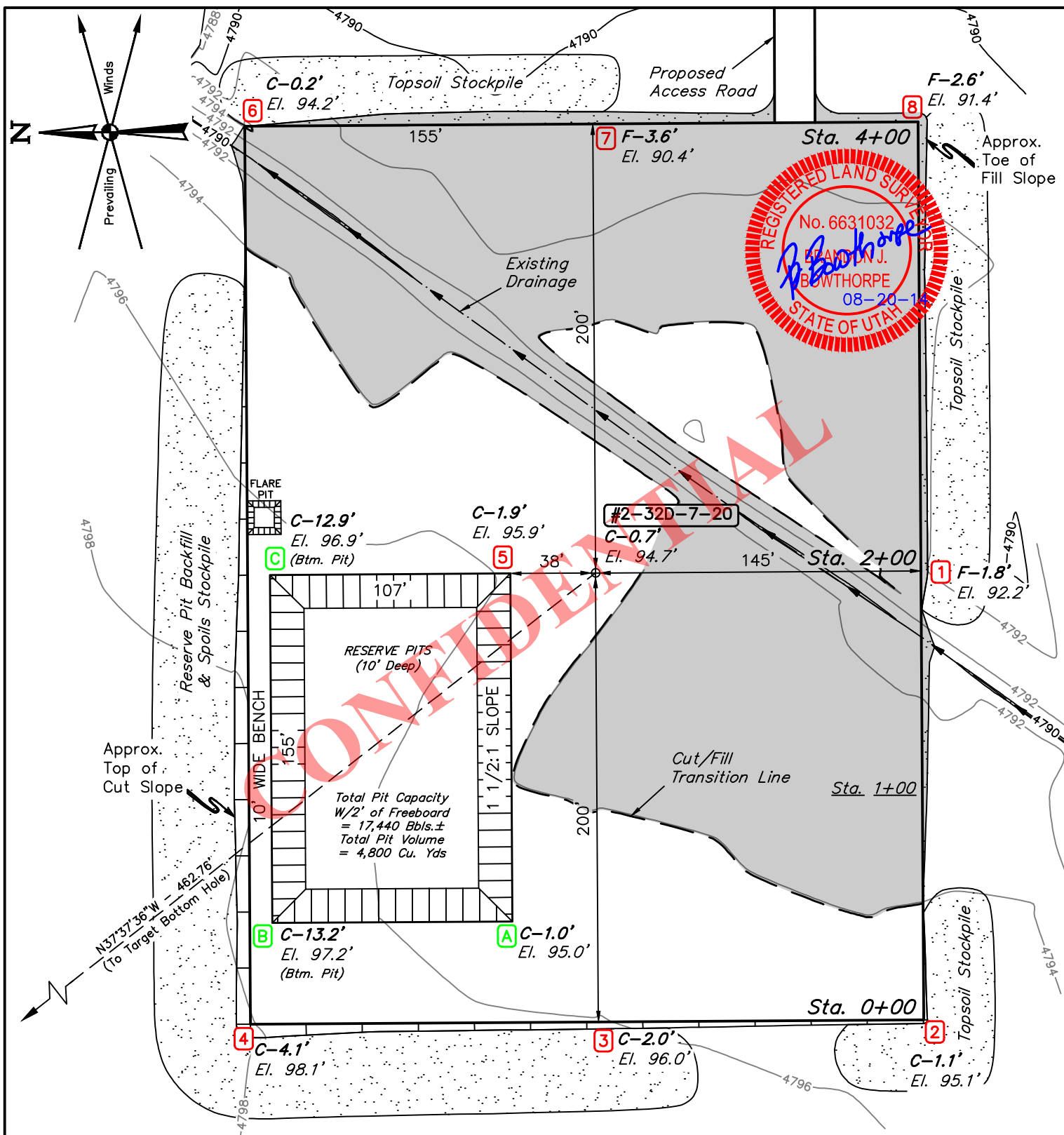
**AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL**



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DRAWN BY: M.L.	TAKEN BY: R.R.
DATE DRAWN: 07-17-14	REV: 00-00-00
LOCATION PHOTOS	PHOTO

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FINISHED GRADE ELEVATION = 4794.0'

NOTES:

- Flare pit is to be located a min. of 100' from the wellhead.
- Construct diversion ditches as needed.
- Contours shown at 2' intervals..

BILL BARRETT CORPORATION

AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL



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DRAWN BY: J.M.C.

DATE DRAWN: 07-23-14

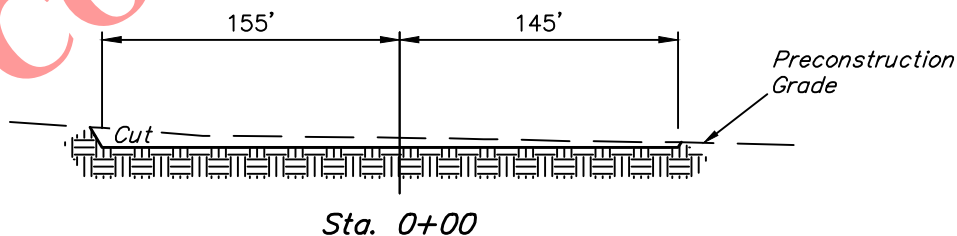
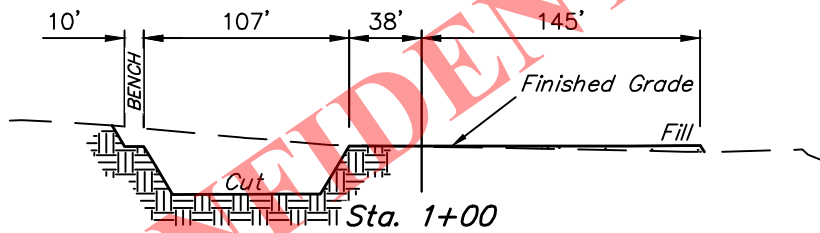
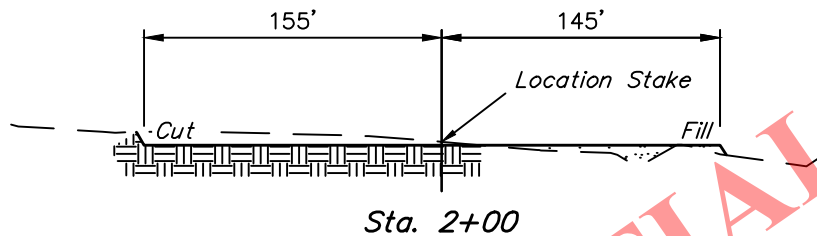
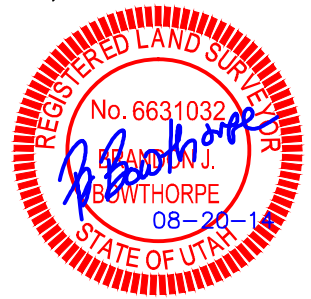
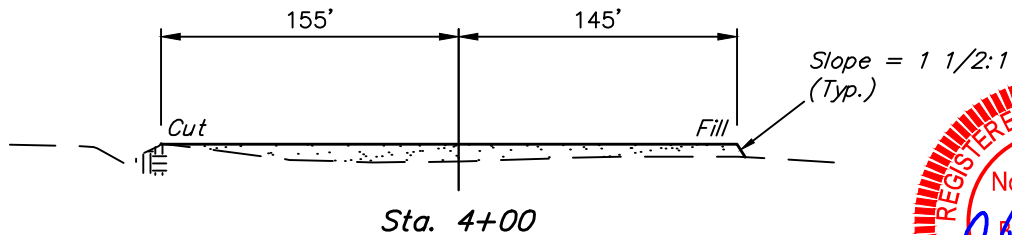
SCALE: 1" = 60'

REVISED: 00-00-00

LOCATION LAYOUT**FIGURE #1**

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X-Section
Scale
1" = 100'

**APPROXIMATE EARTHWORK QUANTITIES**

(6") TOPSOIL STRIPPING	2,320 Cu. Yds.
REMAINING LOCATION	7,080 Cu. Yds.
TOTAL CUT	9,400 Cu. Yds.
FILL	4,680 Cu. Yds.
EXCESS MATERIAL	4,720 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	4,720 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS

	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.996
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±83.38'	±0.057
30' WIDE PIPELINE R-O-W DISTURBANCE	±108.59'	±0.075
150' WIDE POWER LINE R-O-W DISTURBANCE	±83.38'	±0.287
TOTAL SURFACE USE AREA		±5.415

NOTES:

- Fill quantity includes 5% for compaction.
- Calculations based on 6" of topsoil stripping.
- Topsoil should not be stripped below finished grade on substructure area.

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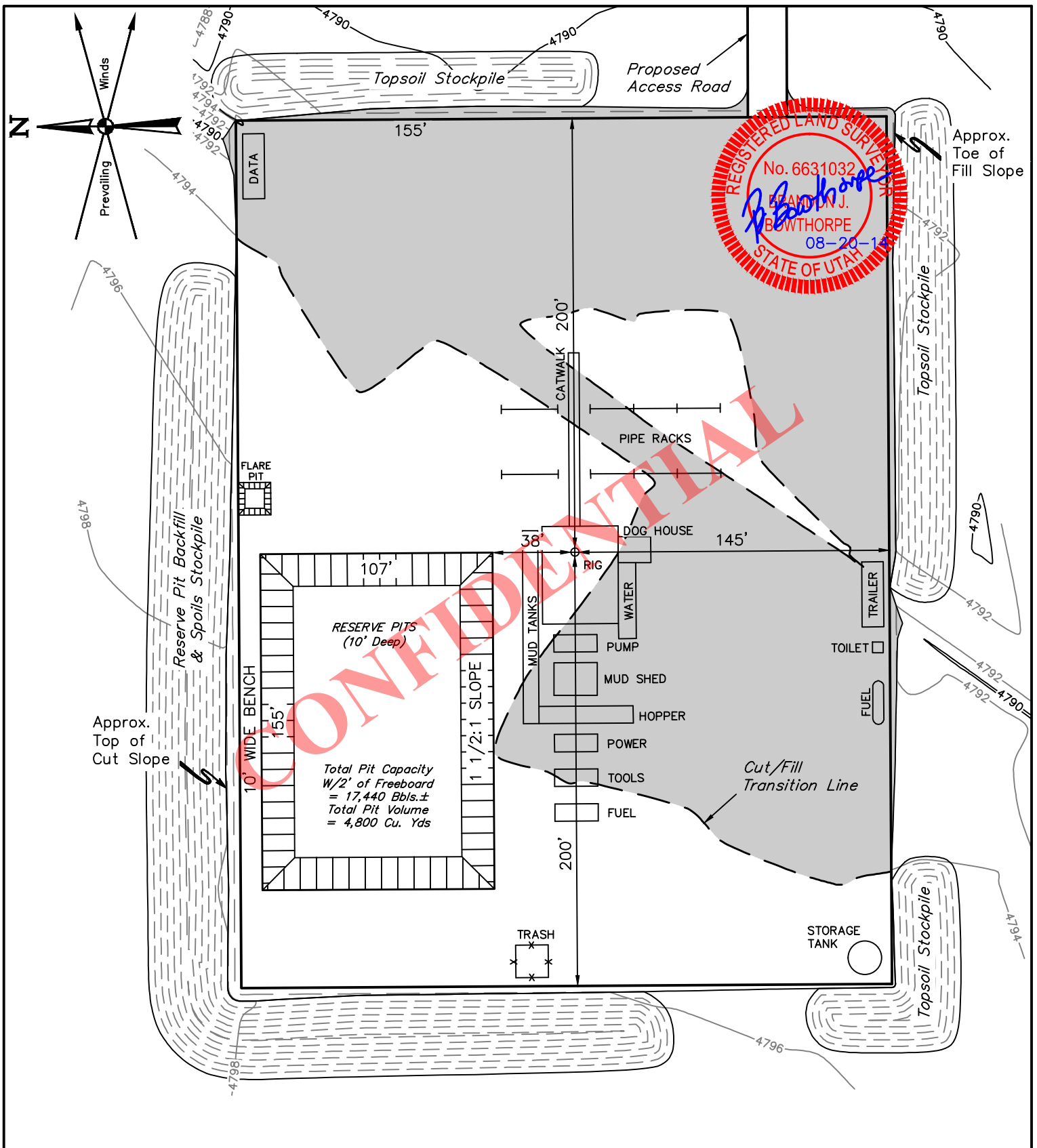
AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL



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DRAWN BY: J.M.C.	DATE DRAWN: 07-23-14
SCALE: AS SHOWN	REVISED: 00-00-00
TYPICAL CROSS SECTIONS	FIGURE #2

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NOTES:

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.

BILL BARRETT CORPORATION

**AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: J.M.C.

DATE DRAWN: 07-23-14

SCALE: 1" = 60'

REVISÉ: 00-00-00

TYPICAL RIG LAYOUT

FIGURE #3

RECEIVED: September 09, 2014

PROCEED IN A SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 10.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE AURORA FEDERAL #15-28D-7-20 AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE AURORA STATE #6-32-7-20 WELL PAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 5,094' TO THE PROPOSED ACCESS FOR THE AURORA FEDERAL #9-29D-7-20 WELL PAD TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 237' TO THE PROPOSED ACCESS ROAD TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 127' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 26.1 MILES.

BILL BARRETT CORPORATION

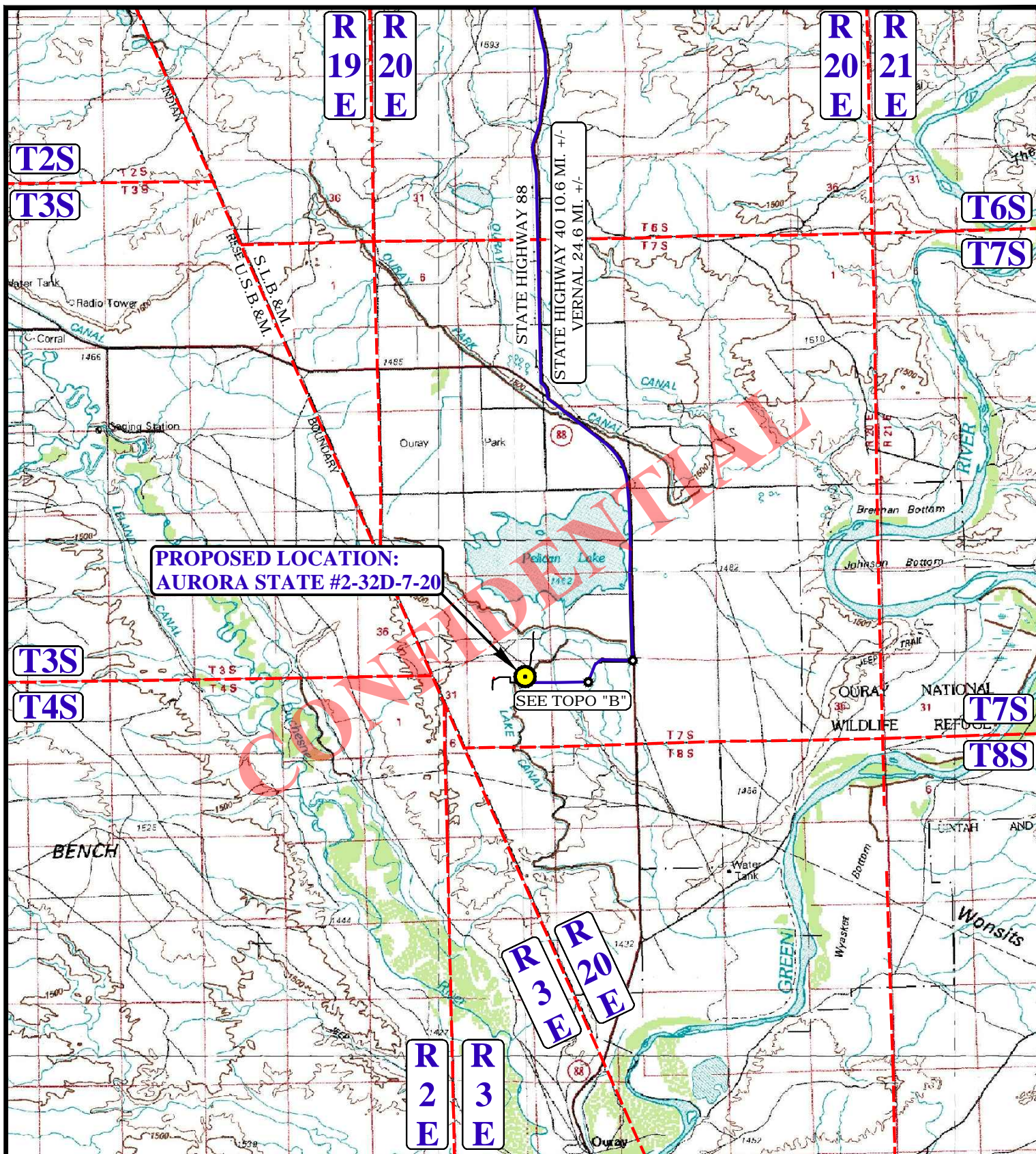
AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: M.L.	
DATE DRAWN: 07-17-14	REV: 00-00-00
ROAD DESCRIPTION	

RECEIVED: September 09, 2014

**LEGEND:**

● PROPOSED LOCATION

BILL BARRETT CORPORATION

AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B. & M.
1028' FNL 1702' FEL

DRAWN BY: M.L.

SCALE: 1:100,000

DATE DRAWN: 07-17-14

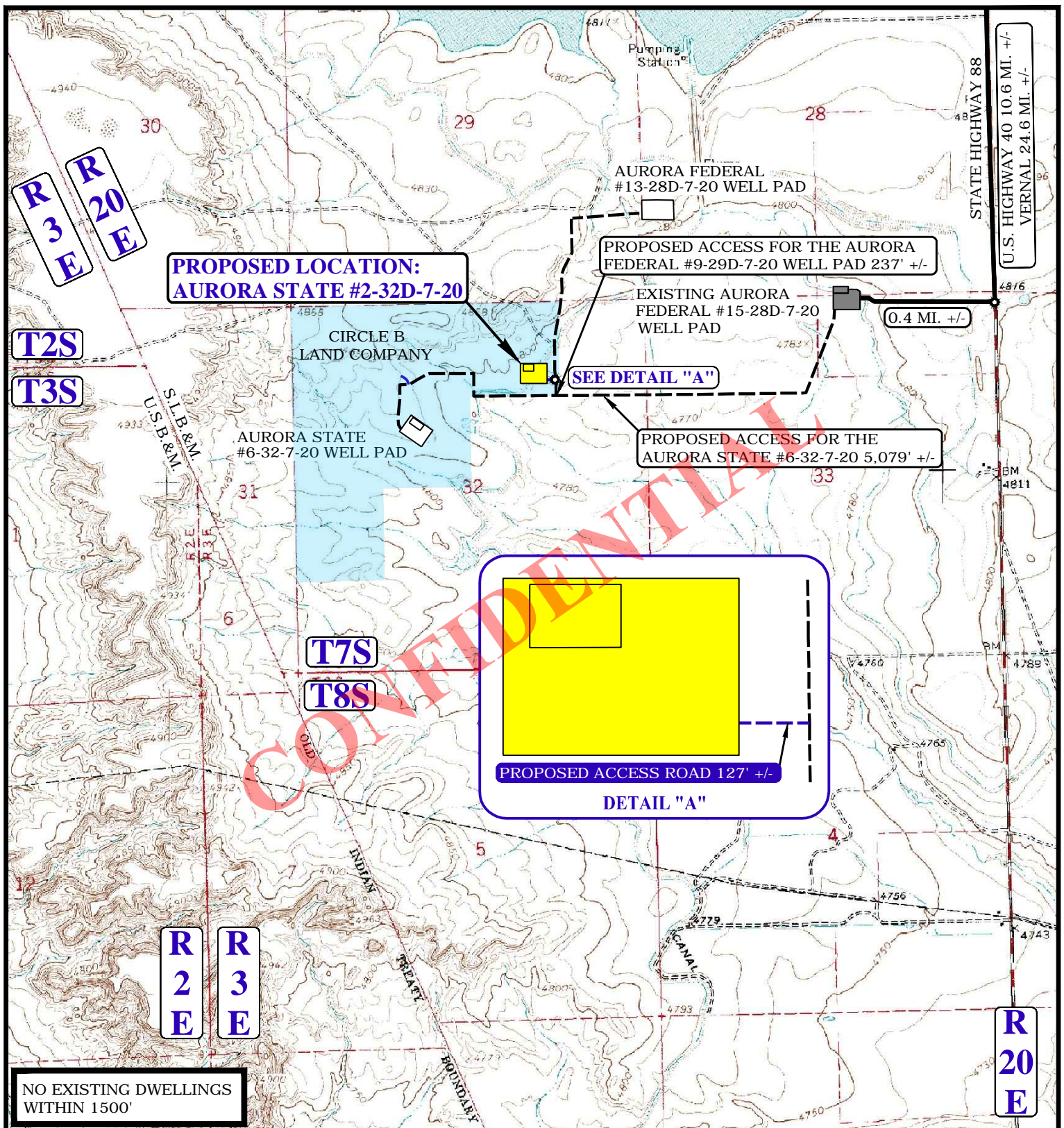
REV: 00-00-00

ACCESS ROAD MAP**TOPO A****UELS, LLC**

Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017



RECEIVED: September 09, 2014



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- - - PROPOSED ROAD
- - - PROPOSED ROAD
(SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

**AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL**

DRAWN BY: M.L.

SCALE: 1" = 2000'

DATE DRAWN: 07-17-14

REV: 00-00-00

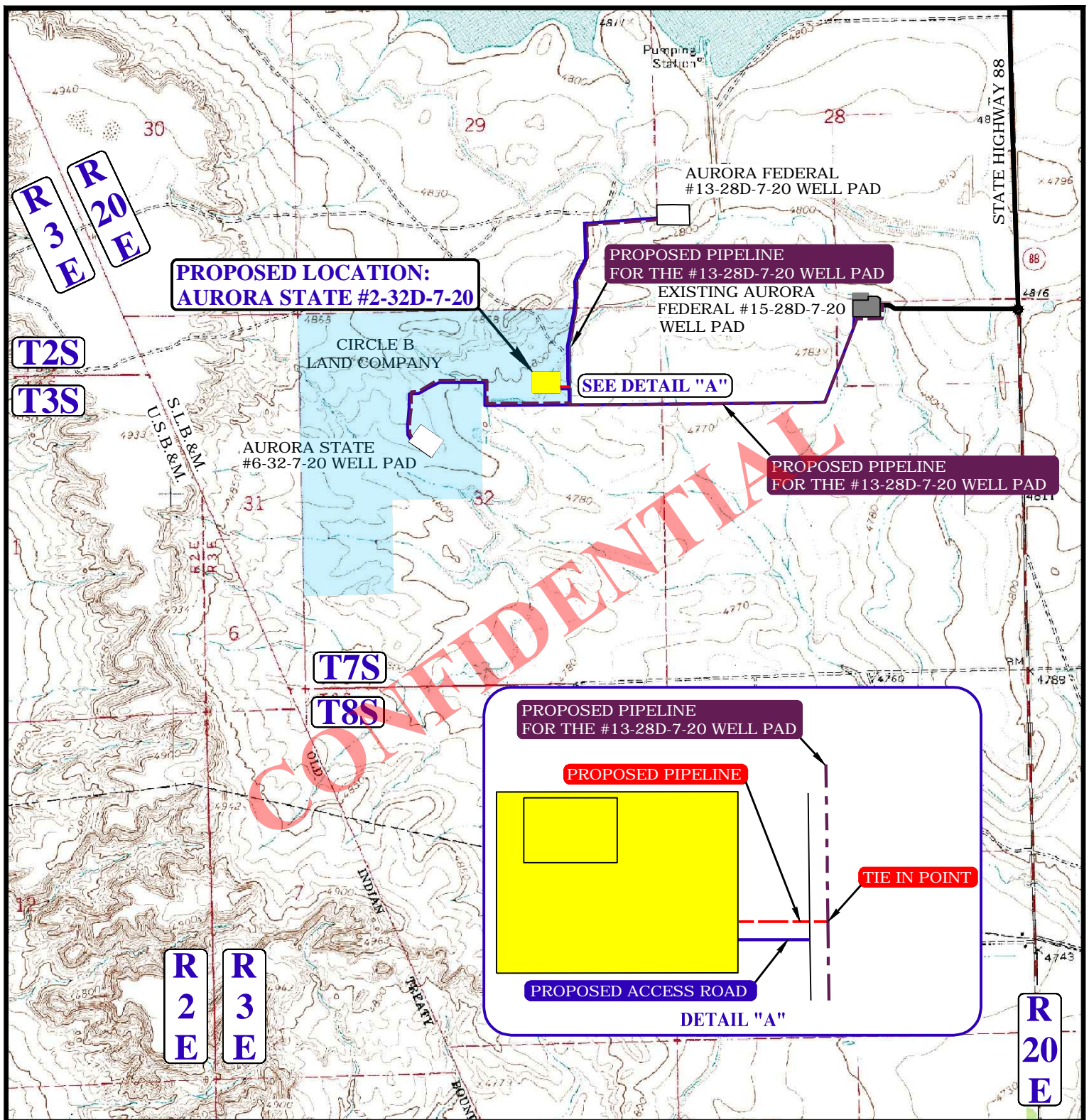
ACCESS ROAD MAP

TOPO B



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

RECEIVED: September 09, 2014



APPROXIMATE TOTAL PIPELINE DISTANCE = 157' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- PROPOSED ROAD
- EXISTING PIPELINE
- - - - PROPOSED PIPELINE
- - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)

BILL BARRETT CORPORATION

**AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL**

DRAWN BY: M.L.

SCALE: 1" = 2000'

DATE DRAWN: 07-17-14

REV: 00-00-00

PIPELINE MAP

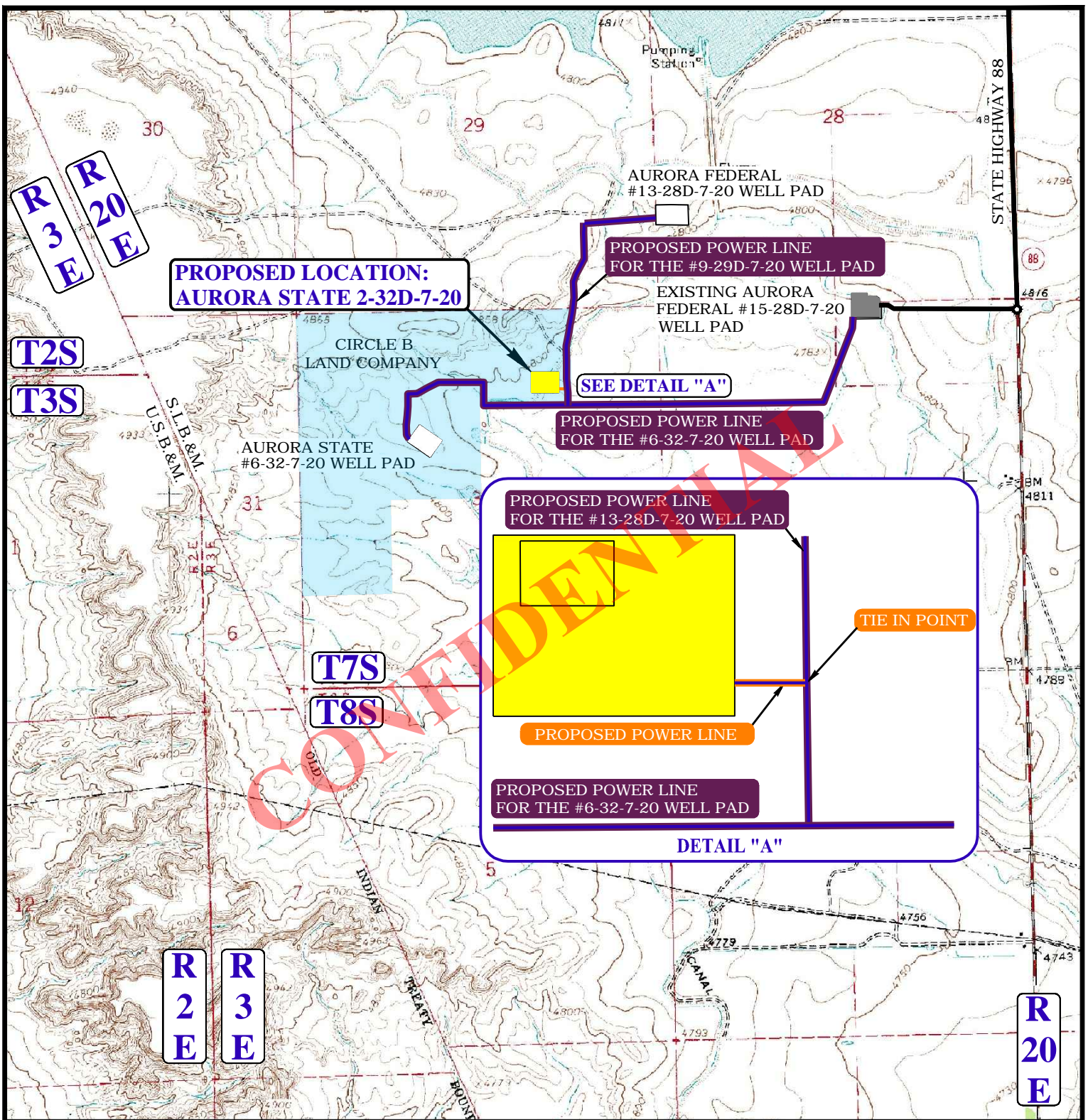
TOPO C



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



RECEIVED: September 09, 2014



APPROXIMATE TOTAL POWER LINE DISTANCE = 127' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- PROPOSED ROAD
- PROPOSED POWER LINE (SERVICING OTHER WELLS)
- PROPOSED POWER LINE

BILL BARRETT CORPORATION

**AURORA STATE #2-32D-7-20
SECTION 32, T7S, R20E, S.L.B.&M.
1028' FNL 1702' FEL**

DRAWN BY: M.L.

SCALE: 1" = 2000'

DATE DRAWN: 07-17-14

REV: 00-00-00

POWER LINE MAP

TOPO D



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



RECEIVED: September 09, 2014



Bill Barrett Corporation

Fort Duchesne

SECTION 32 T7S, R20E

Aurora State 2-32D-7-20

Wellbore #1

Plan: Design #1

Standard Planning Report

08 September, 2014

CONFIDENTIAL





Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 2-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Fort Duchesne		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site		SECTION 32 T7S, R20E			
Site Position:		Northing:	11,123,640.10 usft	Latitude:	40° 10' 14.080 N
From:	Lat/Long	Easting:	2,143,801.41 usft	Longitude:	109° 42' 0.460 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.10

Well	Aurora State 2-32D-7-20, SHL: 40° 10' 15.500 -109° 41' 22.180					
Well Position	+N/-S	144.0 usft	Northing:	11,123,841.28 usft	Latitude:	40° 10' 15.500 N
	+E/-W	2,974.1 usft	Easting:	2,146,772.17 usft	Longitude:	109° 41' 22.180 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	4,807.0 usft	Ground Level:	4,794.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/8/2014	10.76	65.89	52,076

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	322.51	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,901.2	7.52	322.51	1,899.8	26.1	-20.0	1.50	1.50	0.00	322.51	
4,940.8	7.52	322.51	4,913.2	341.6	-262.0	0.00	0.00	0.00	0.00	
5,442.0	0.00	0.00	5,413.0	367.6	-282.0	1.50	-1.50	0.00	180.00	Aurora State 2-32D-7-
7,947.0	0.00	0.00	7,918.0	367.6	-282.0	0.00	0.00	0.00	0.00	



Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 2-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	1.50	322.51	1,500.0	1.0	-0.8	1.3	1.50	1.50	0.00	
1,600.0	3.00	322.51	1,599.9	4.2	-3.2	5.2	1.50	1.50	0.00	
1,700.0	4.50	322.51	1,699.7	9.3	-7.2	11.8	1.50	1.50	0.00	
1,800.0	6.00	322.51	1,799.3	16.6	-12.7	20.9	1.50	1.50	0.00	
1,901.2	7.52	322.51	1,899.8	26.1	-20.0	32.8	1.50	1.50	0.00	
2,000.0	7.52	322.51	1,997.7	36.3	-27.9	45.8	0.00	0.00	0.00	
2,100.0	7.52	322.51	2,096.9	46.7	-35.8	58.8	0.00	0.00	0.00	
2,200.0	7.52	322.51	2,196.0	57.1	-43.8	71.9	0.00	0.00	0.00	
2,300.0	7.52	322.51	2,295.1	67.5	-51.7	85.0	0.00	0.00	0.00	
2,400.0	7.52	322.51	2,394.3	77.8	-59.7	98.1	0.00	0.00	0.00	
2,500.0	7.52	322.51	2,493.4	88.2	-67.7	111.2	0.00	0.00	0.00	
2,600.0	7.52	322.51	2,592.6	98.6	-75.6	124.3	0.00	0.00	0.00	
2,700.0	7.52	322.51	2,691.7	109.0	-83.6	137.3	0.00	0.00	0.00	
2,800.0	7.52	322.51	2,790.8	119.4	-91.6	150.4	0.00	0.00	0.00	
2,900.0	7.52	322.51	2,890.0	129.7	-99.5	163.5	0.00	0.00	0.00	
3,000.0	7.52	322.51	2,989.1	140.1	-107.5	176.6	0.00	0.00	0.00	
3,100.0	7.52	322.51	3,088.3	150.5	-115.4	189.7	0.00	0.00	0.00	
3,200.0	7.52	322.51	3,187.4	160.9	-123.4	202.8	0.00	0.00	0.00	
3,300.0	7.52	322.51	3,286.5	171.3	-131.4	215.8	0.00	0.00	0.00	
3,400.0	7.52	322.51	3,385.7	181.6	-139.3	228.9	0.00	0.00	0.00	
3,500.0	7.52	322.51	3,484.8	192.0	-147.3	242.0	0.00	0.00	0.00	
3,600.0	7.52	322.51	3,584.0	202.4	-155.3	255.1	0.00	0.00	0.00	
3,700.0	7.52	322.51	3,683.1	212.8	-163.2	268.2	0.00	0.00	0.00	
3,800.0	7.52	322.51	3,782.2	223.2	-171.2	281.3	0.00	0.00	0.00	
3,900.0	7.52	322.51	3,881.4	233.5	-179.2	294.3	0.00	0.00	0.00	
4,000.0	7.52	322.51	3,980.5	243.9	-187.1	307.4	0.00	0.00	0.00	
4,100.0	7.52	322.51	4,079.7	254.3	-195.1	320.5	0.00	0.00	0.00	
4,200.0	7.52	322.51	4,178.8	264.7	-203.0	333.6	0.00	0.00	0.00	
4,300.0	7.52	322.51	4,277.9	275.1	-211.0	346.7	0.00	0.00	0.00	
4,400.0	7.52	322.51	4,377.1	285.5	-219.0	359.8	0.00	0.00	0.00	
4,500.0	7.52	322.51	4,476.2	295.8	-226.9	372.8	0.00	0.00	0.00	
4,600.0	7.52	322.51	4,575.4	306.2	-234.9	385.9	0.00	0.00	0.00	
4,700.0	7.52	322.51	4,674.5	316.6	-242.9	399.0	0.00	0.00	0.00	
4,800.0	7.52	322.51	4,773.6	327.0	-250.8	412.1	0.00	0.00	0.00	
4,900.0	7.52	322.51	4,872.8	337.4	-258.8	425.2	0.00	0.00	0.00	
4,940.8	7.52	322.51	4,913.2	341.6	-262.0	430.5	0.00	0.00	0.00	
5,000.0	6.63	322.51	4,972.0	347.4	-266.5	437.8	1.50	-1.50	0.00	



Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 2-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,100.0	5.13	322.51	5,071.5	355.5	-272.7	448.1	1.50	-1.50	0.00
5,200.0	3.63	322.51	5,171.2	361.6	-277.4	455.7	1.50	-1.50	0.00
5,300.0	2.13	322.51	5,271.0	365.6	-280.4	460.7	1.50	-1.50	0.00
5,400.0	0.63	322.51	5,371.0	367.5	-281.9	463.1	1.50	-1.50	0.00
5,442.0	0.00	0.00	5,413.0	367.6	-282.0	463.4	1.50	-1.50	0.00
5,500.0	0.00	0.00	5,471.0	367.6	-282.0	463.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,571.0	367.6	-282.0	463.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,671.0	367.6	-282.0	463.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,771.0	367.6	-282.0	463.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,871.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,971.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,071.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,171.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,271.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,371.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,471.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,571.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,671.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,771.0	367.6	-282.0	463.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,871.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,971.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,071.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,171.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,271.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,371.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,471.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,571.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,671.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,771.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,871.0	367.6	-282.0	463.4	0.00	0.00	0.00
7,947.0	0.00	0.00	7,918.0	367.6	-282.0	463.4	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Aurora State 2-32D-7-20	0.00	0.00	5,413.0	367.6	-282.0	11,124,203.40	2,146,483.08	40° 10' 19.130 N	109° 41' 25.810 W
- plan hits target center									
- Rectangle (sides W200.0 H200.0 D2,505.0)									



Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Company:	Bill Barrett Corporation	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Project:	Fort Duchesne	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)
Site:	SECTION 32 T7S, R20E	North Reference:	True
Well:	Aurora State 2-32D-7-20	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,001.0	1,001.0	Base Mod Saline Groundwater		0.00	
3,395.3	3,381.0	Green River		0.00	
3,994.4	3,975.0	Top_UGR_Saline_Zone		0.00	
4,243.6	4,222.0	Base_UGR_Saline_Zone		0.00	
4,416.1	4,393.0	Mahogany		0.00	
5,236.9	5,208.0	Pelican Bench		0.00	
5,442.0	5,413.0	TGR3		0.00	
5,515.0	5,486.0	Douglas Creek		0.00	
6,407.0	6,378.0	Black Shale Facies		0.00	
6,509.0	6,480.0	Castle Peak		0.00	
6,743.0	6,714.0	Uteland Butte		0.00	
7,447.0	7,418.0	Wasatch		0.00	
7,447.0	7,418.0	TD		0.00	
7,947.0	7,918.0	APD_TD		0.00	

API Well Number: 43047547290000



Well Name: Aurora State 2-32D-7-20
 Surface Location: SECTION 32 T7S, R20E
 North American Datum 1983, US State Plane 1983, Utah Southern Zone
 Ground Elevation: 4794.0
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.0 0.0 11123841.28 2146772.17 40° 10' 15.500 N 109° 41' 22.180 W
 PLAN KB Aurora State 2-32D-7-20 @ 4807.0usft (PLAN KB)



Azimuths to True North
 Magnetic North: 10.76°
 Magnetic Field
 Strength: 52075.9nT
 Dip Angle: 65.89°
 Date: 9/8/2014
 Model: IGRF2010

SECTION 32 T7S, R20E
 Aurora State 2-32D-7-20
 Design #1
 4:16, September 08 2014

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

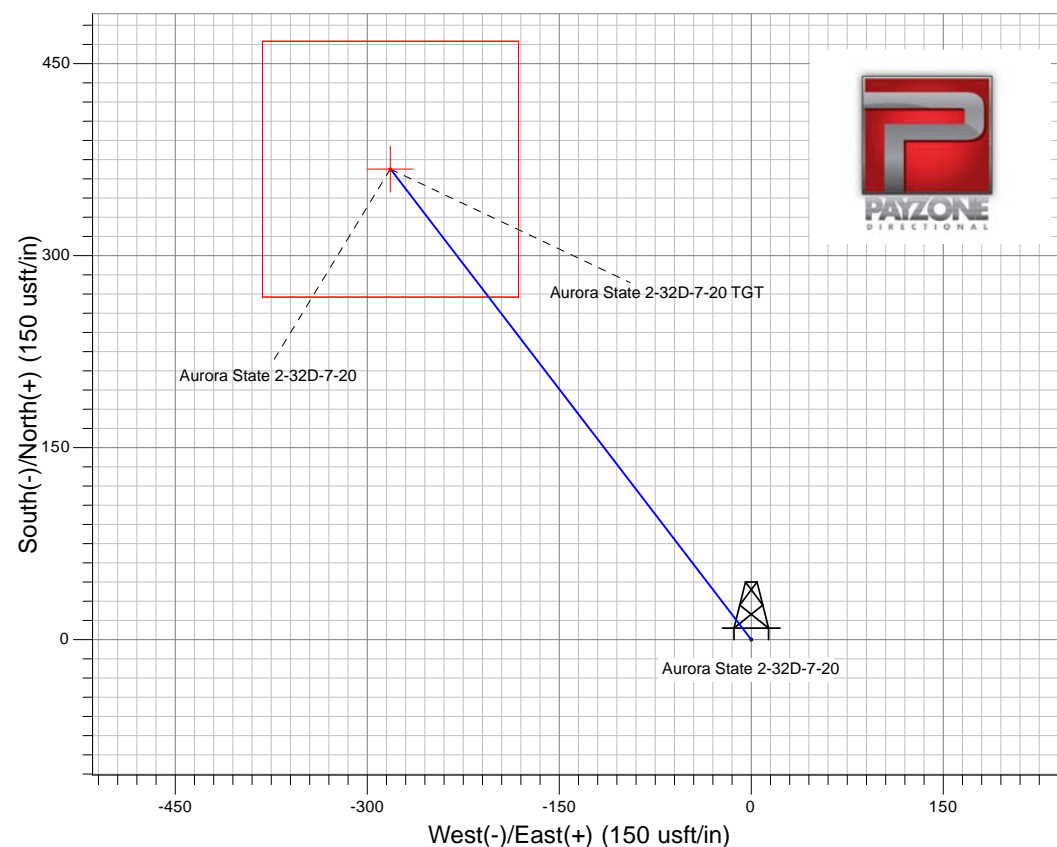
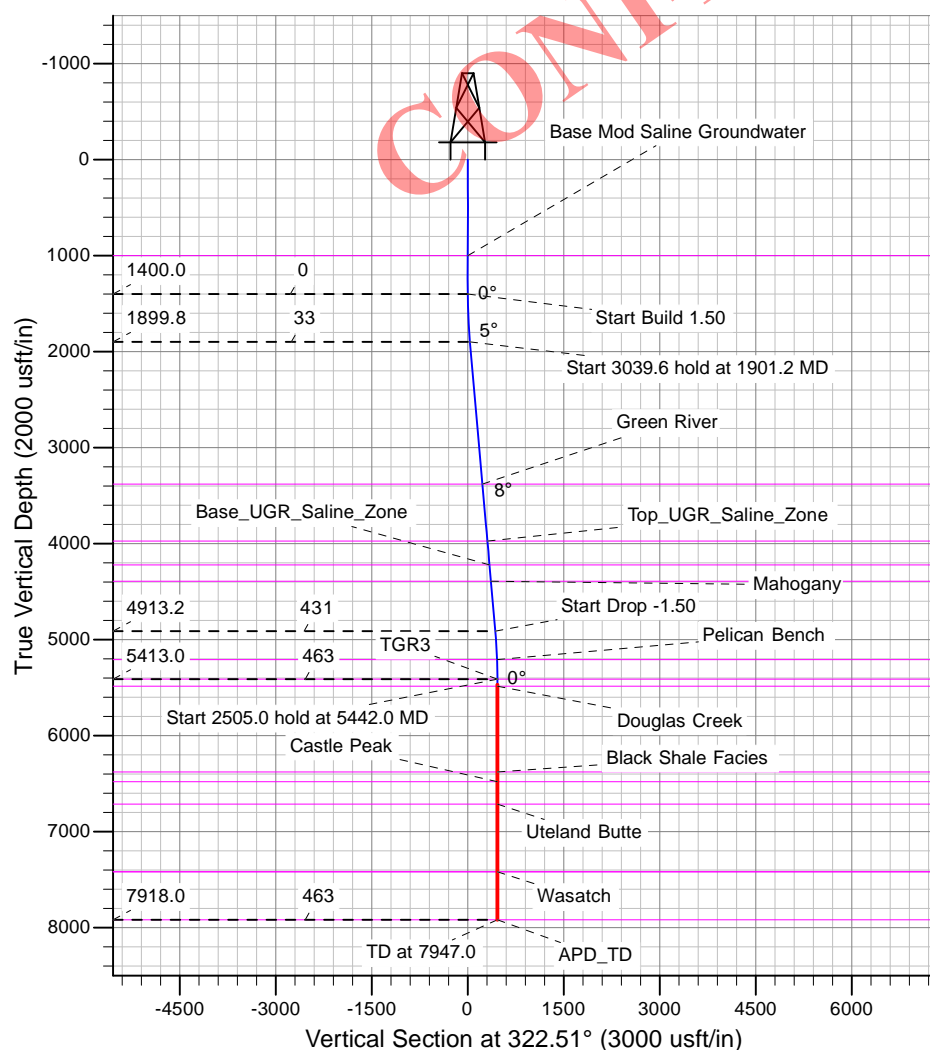
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Aurora State 2-32D-7-20 TGT	4807.0	367.6	-282.0	11124203.40	2146483.09	40° 10' 19.130 N	109° 41' 25.810 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1901.2	7.52	322.51	1899.8	26.1	-20.0	1.50	322.51	32.8	
4	4940.8	7.52	322.51	4913.2	341.6	-262.0	0.00	0.00	430.5	
5	5442.0	0.00	0.00	5413.0	367.6	-282.0	1.50	180.00	463.4	Aurora State 2-32D-7-20 TGT
6	7947.0	0.00	0.00	7918.0	367.6	-282.0	0.00	0.00	463.4	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
1001.0	1001.0	Base Mod Saline Groundwater	0.00	
3381.0	3395.3	Green River	0.00	
3975.0	3994.4	Top_UGR_Saline_Zone	0.00	
4222.0	4243.6	Base_UGR_Saline_Zone	0.00	
4393.0	4416.1	Mahogany	0.00	
5208.0	5236.9	Pelican Bench	0.00	
5413.0	5442.0	TGR3	0.00	
5486.0	5515.0	Douglas Creek	0.00	
6378.0	6407.0	Bl. Shale Facies	0.00	
6480.0	6509.0	Castle Peak	0.00	
6714.0	6743.0	Uteland Butte	0.00	
7418.0	7447.0	TD	0.00	
7418.0	7447.0	Wasatch	0.00	
7918.0	7947.0	APD_TD	0.00	



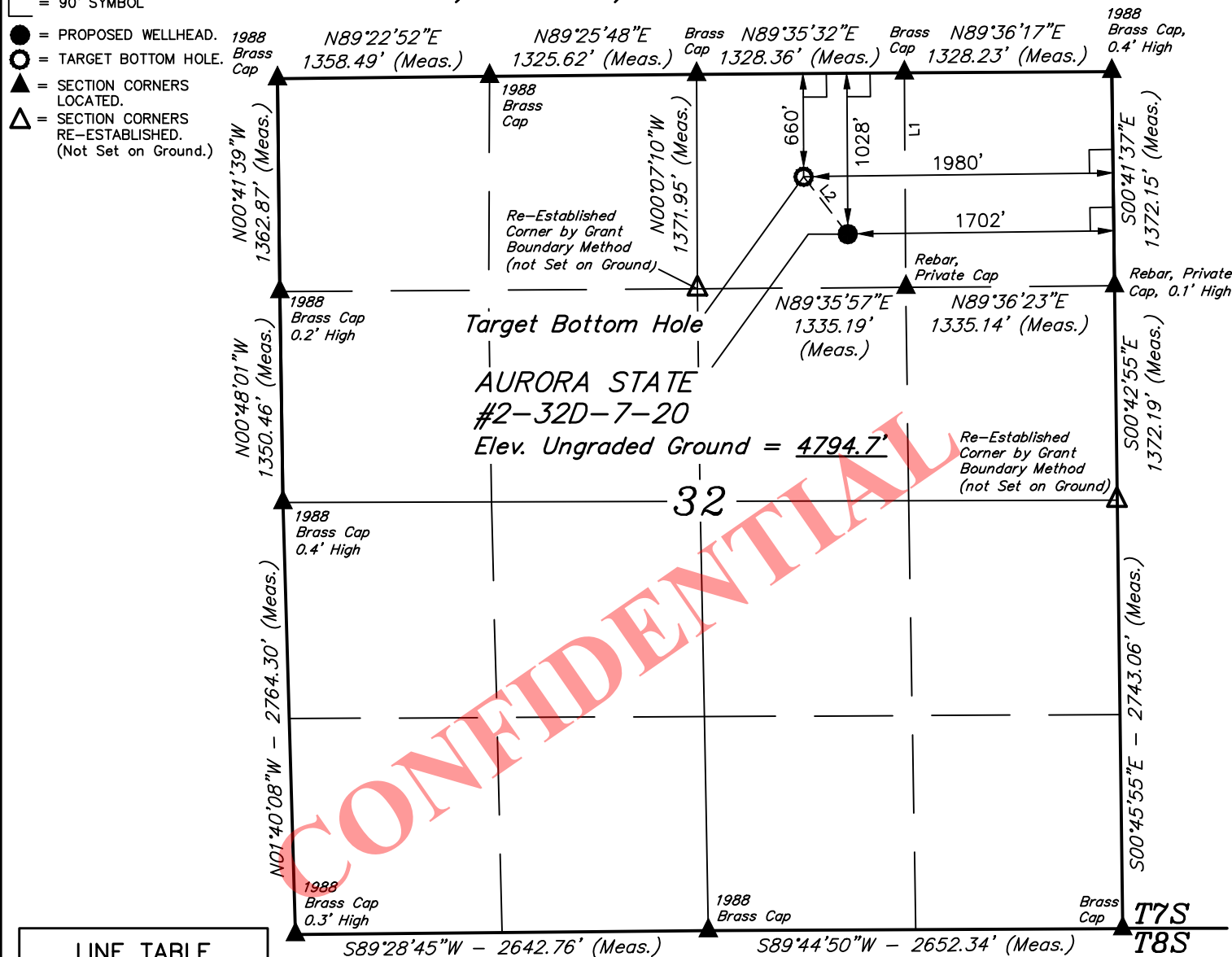
LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELLHEAD.

○ = TARGET BOTTOM HOLE.

▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS RE-ESTABLISHED.
(Not Set on Ground.)**T7S, R20E, S.L.B.&M.****LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N00°24'18"W	1372.10'
L2	N37°37'36"W	462.76'



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'19.13" (40.171981)	LATITUDE = 40°10'15.50" (40.170972)
LONGITUDE = 109°41'25.81" (109.690503)	LONGITUDE = 109°41'22.18" (109.689494)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°10'19.26" (40.172017)	LATITUDE = 40°10'15.64" (40.171011)
LONGITUDE = 109°41'23.31" (109.689808)	LONGITUDE = 109°41'19.67" (109.688797)

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION

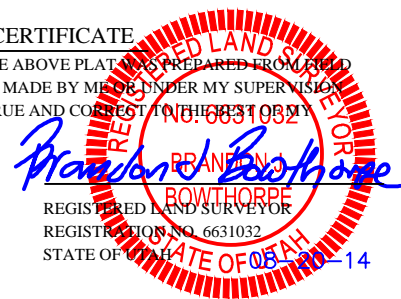
BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**BILL BARRETT CORPORATION**

AURORA STATE #2-32D-7-20
NW 1/4 NE 1/4, SECTION 32, T7S, R20E, S.L.B.&M.
UINTAH COUNTY, UTAH

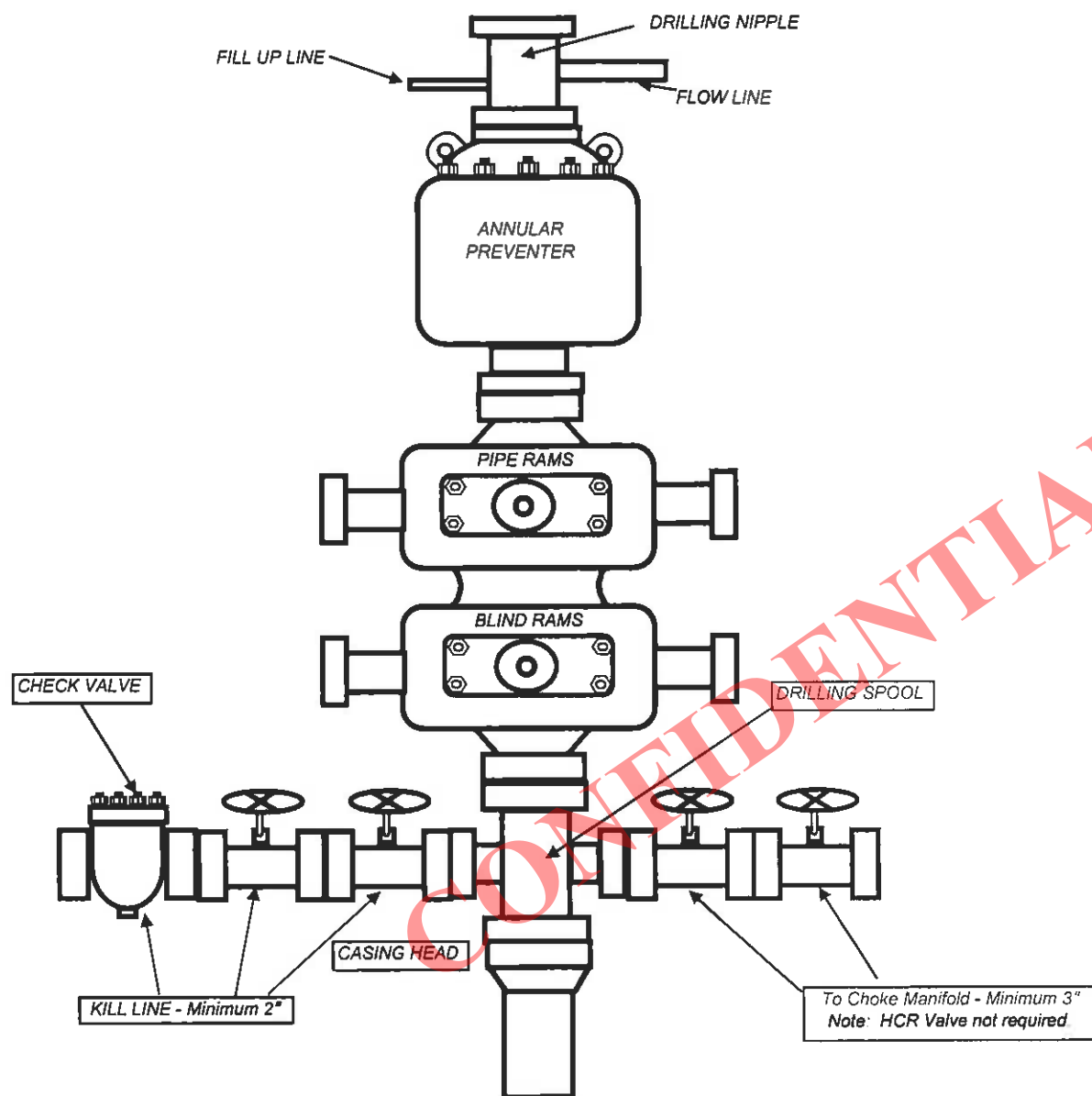
SURVEYED BY: R.R., C.W.	SURVEY DATE: 07-14-14
DRAWN BY: J.M.C.	DATE DRAWN: 07-23-14
SCALE: 1" = 1000'	REVISED: 00-00-00

WELL LOCATION PLAT

RECEIVED: September 08, 2014

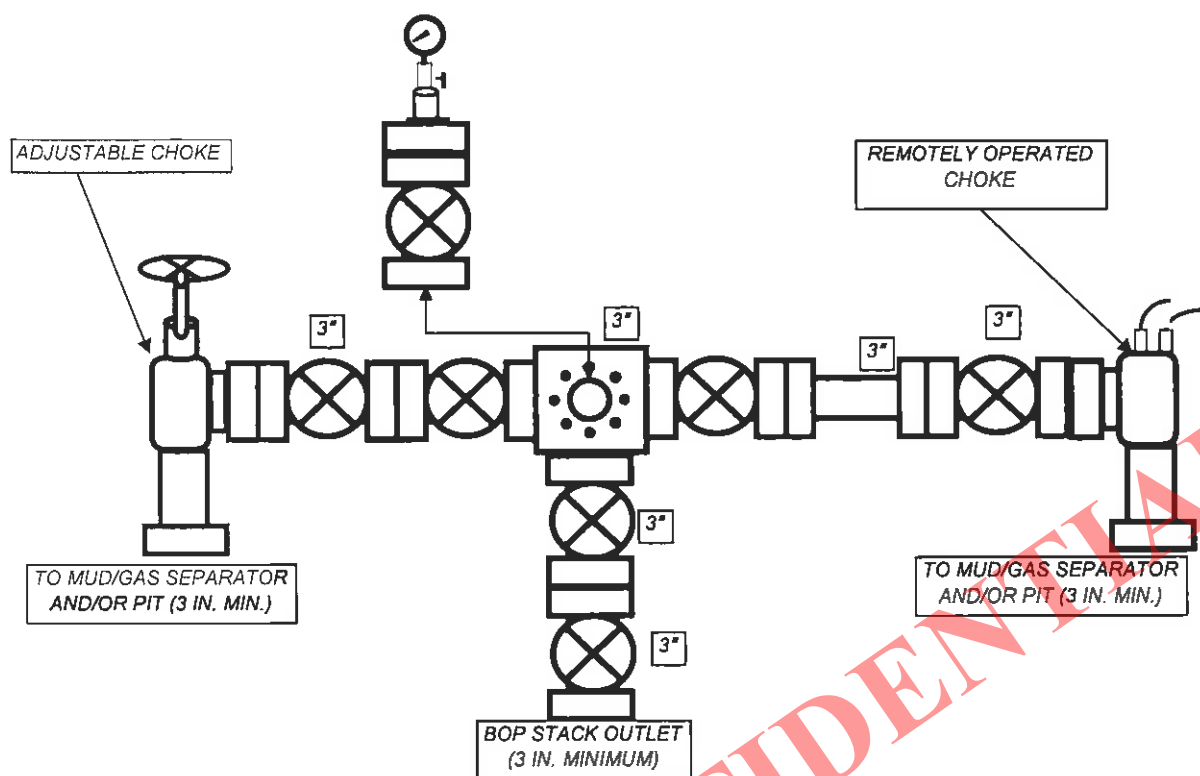
BILL BARRETT CORPORATION

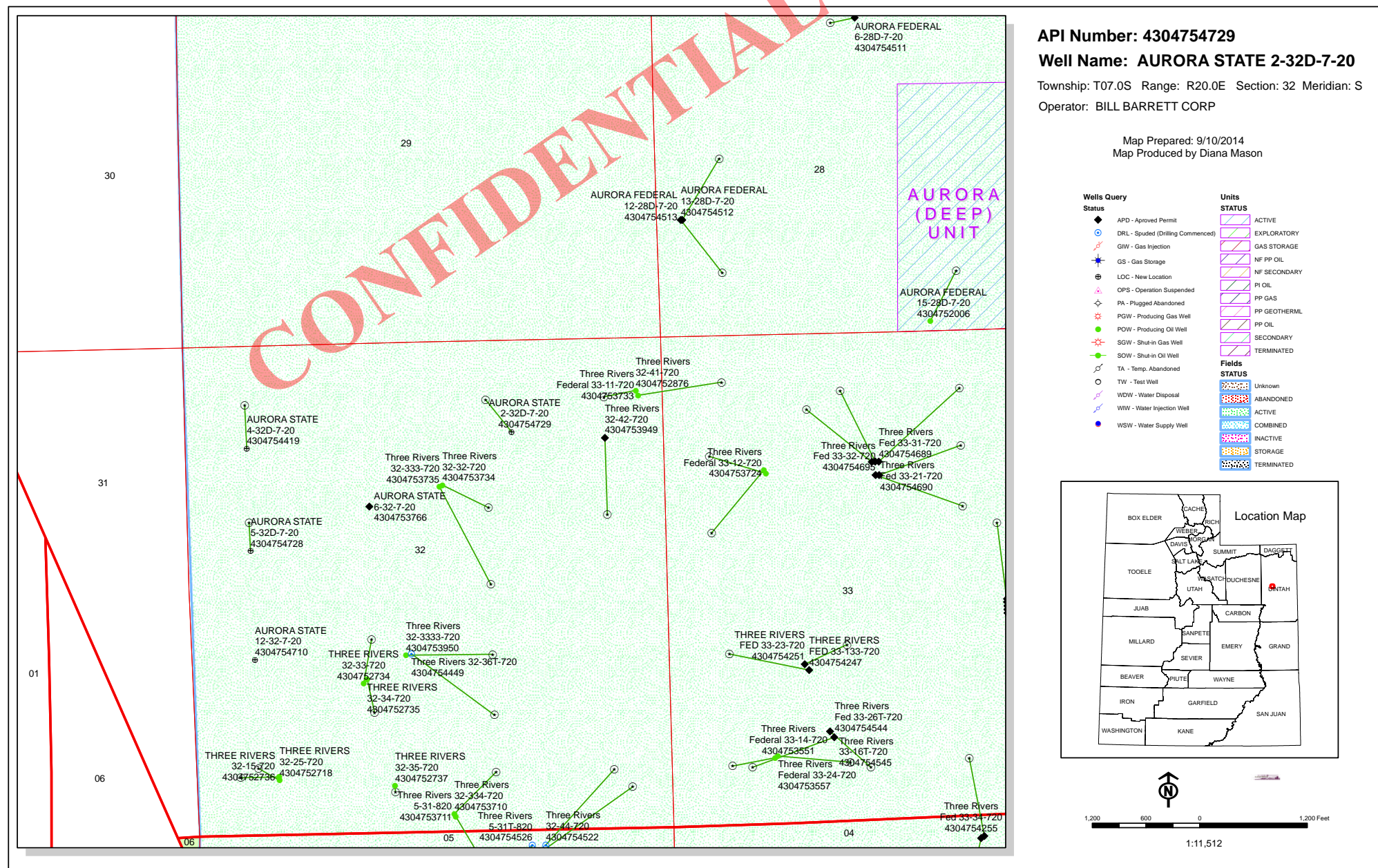
TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD







October 22, 2014

Crescent Point Energy Corporation
Ms. Nicole Bailey
555 17th Street, Suite 1800
Denver, CO 80202

RE: Commingling Application
Aurora State 2-32D-7-20
Uintah County, UT

Dear Ms. Bailey,

Bill Barrett Corporation has submitted an application to commingle production from the Wasatch and Green River formations in the subject well. We enclosed herewith copies of the application together with a plat showing the leases and wells in the area and affidavit confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regards, please feel free to contact me at 303-312-8164. Your earliest attention to this matter is appreciated.

Regards,

Brady Riley Ave

Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

Enclosures



October 22, 2014

Utah Division of Oil, Gas and Mining
Attention: Dustin Doucet
1594 West North Temple, Suite 1120
Salt Lake City, UT 84116

RE: Commingling Notice
East Bluebell Area
Aurora State 2-32D-7-20
NWNE, Section 32 T7S-R20E
Uintah County, Utah

Dear Mr. Doucet,

Bill Barrett Corporation (BBC) has submitted Notices to commingle production from the Wasatch and Green River Formations in the subject well located in East Bluebell Area. BBC has notified all owners of oil and gas leases contiguous to the drilling unit.

Should you require additional information in this regards, please feel free to contact me at 303-312-8164. Your earliest attention to this matter is appreciated.

Regards,

Brady Riley for

Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

Enclosures



AFFIDAVIT OF NOTICE

My name is Kevin T. Funk. I am a Landman with Bill Barrett Corporation (BBC). BBC has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within our East Bluebell Field:

Aurora State 2-32D-7-20 NWNE Section 32 T7S-R20E

Bill Barrett Corporation has notified all owners in lands contiguous to drilling unit. The Lessees are listed below.

Lessees:

Crescent Point Energy Corporation
Robert Bayless Producer, LLC

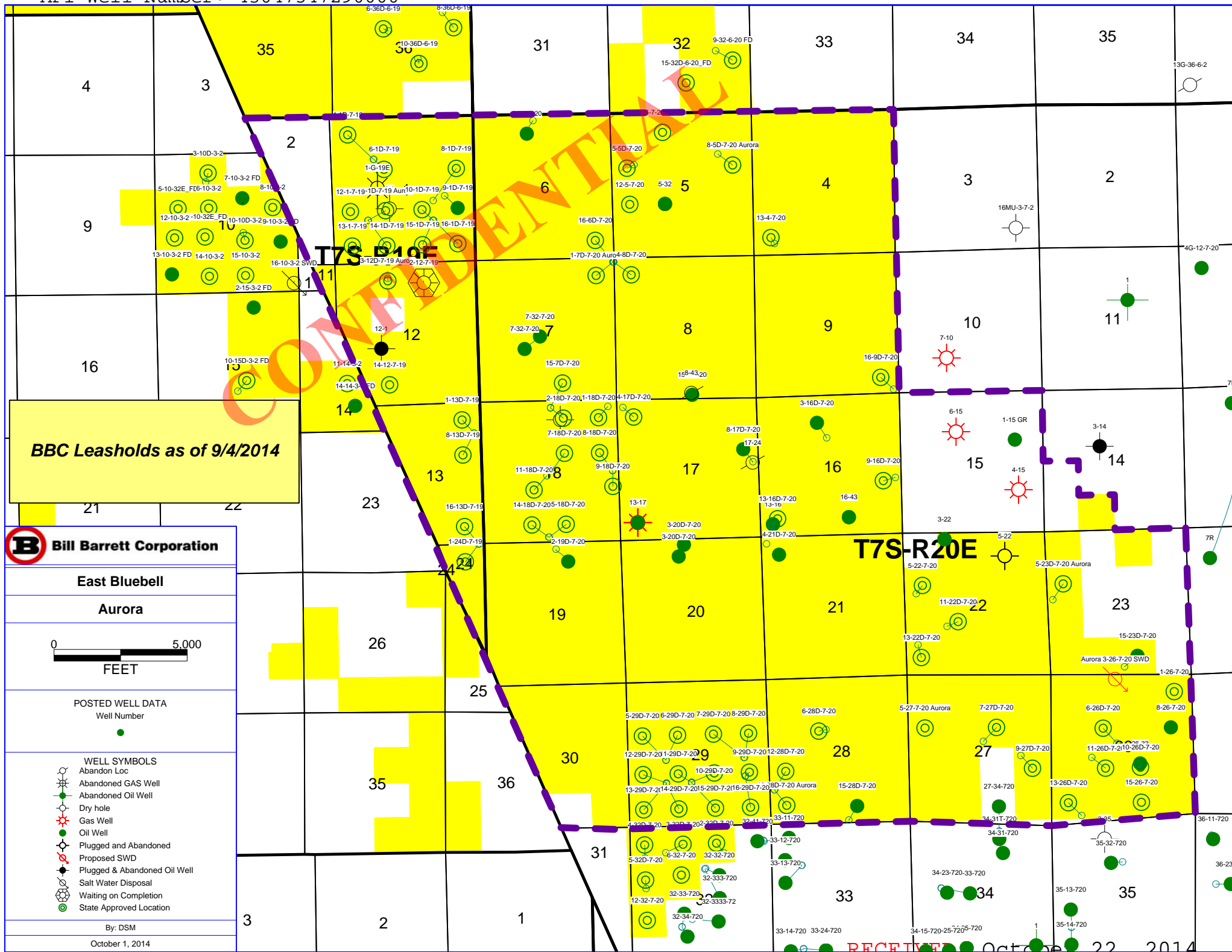
Date: October 22, 2014

Affiant

Bndy Diney for

Kevin T. Funk
Landman I

BILL BARRETT CORPORATION





Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling Location- Aurora State 2-32D-7-20
East Bluebell Area
Surface: 1028' FNL and 1702' FEL, Sec. 32, 7S-20E SLM
Bottom Hole: 660' FNL and 1980' FEL, Sec. 32, 7S-20E SLM

Uintah County, Utah

Dear Ms. Mason,

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill the above referenced well, we hereby submit this letter in accordance with Oil & Gas Conservation Rules R649-2, R649-3, R649-10 and R649-11, pertaining to the Location and Sitting of Wells.

- The proposed location is within our East Bluebell Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area.
- The well will be drilled under ML-49956.
- BBC certifies that it is the owner of oil and gas in tracts within 460 feet from all points along the intended well bore and that all owners, now known, to the proposed directional drilling program, have been notified of BBC's intention to drill a directional well. BBC further certifies that it has obtained written consent from all owners in each tract within 460 feet of the intended well bore in which BBC is not an owner. The captioned well is subject to statewide citing.



Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. Should you have any questions or need further information, please contact me at 303-312-8164.

Sincerely,



Kevin T. Funk
Landman I
BILL BARRETT CORPORATION

CONFIDENTIAL

Well Name	BILL BARRETT CORP AURORA STATE 2-32D-7-20 43047547290000			
String	COND	SURF	PROD	
Casing Size(in)	16.000	8.625	5.500	
Setting Depth (TVD)	80	1200	7918	
Previous Shoe Setting Depth (TVD)	0	80	1200	
Max Mud Weight (ppg)	8.7	8.7	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	3911		9.5	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	36	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	26	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	18	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	18	NO
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

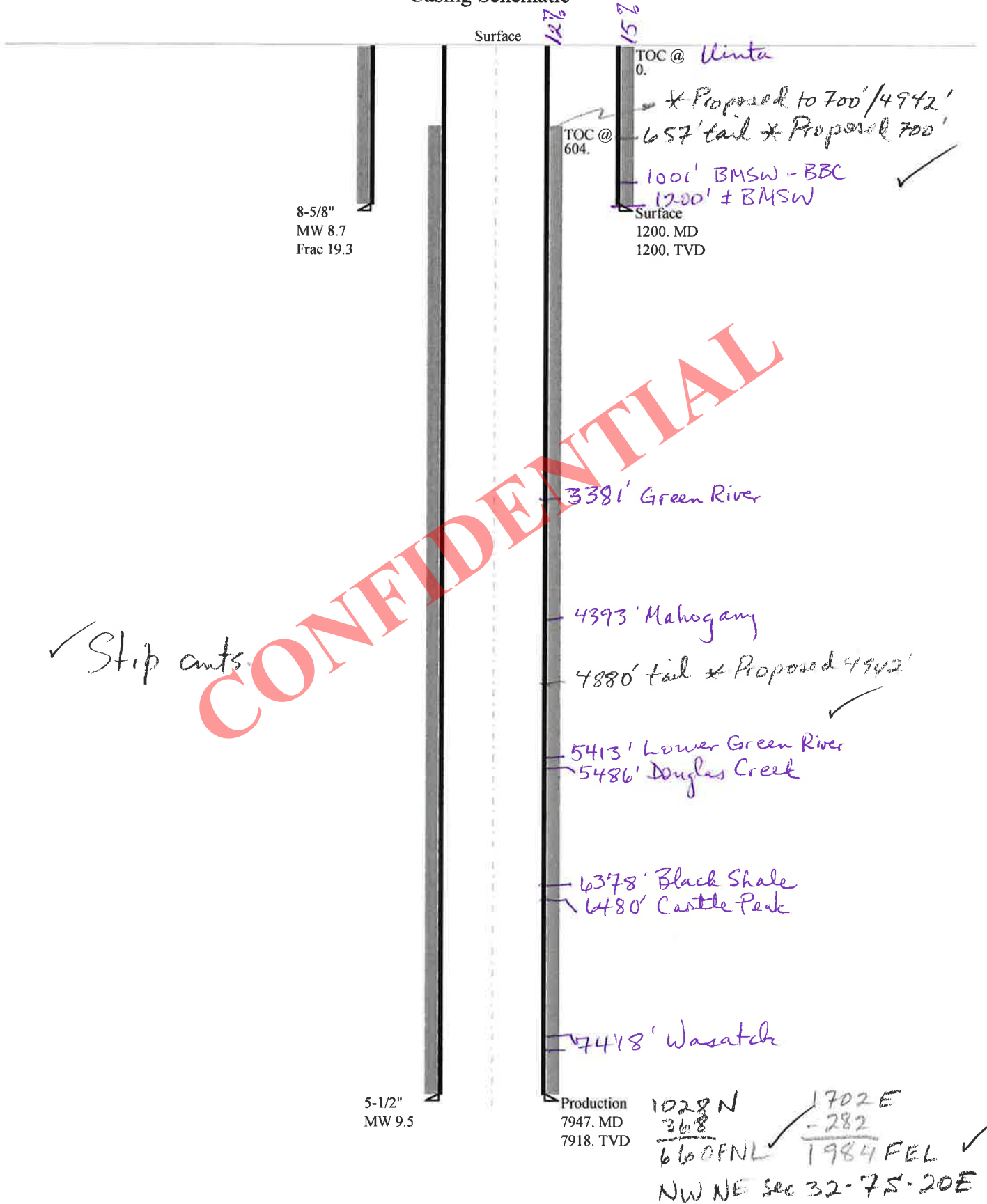
Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	543	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	399	YES diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	279	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	297	NO OK
Required Casing/BOPE Test Pressure=		1200	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3911	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2961	YES 5M BOPE with dbl rams, annular preventer, drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2169	YES spool, choke & kill lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2433	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1200	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047547290000 Aurora State 2-32D-7-20

Casing Schematic



Well name:	43047547290000 Aurora State 2-32D-7-20	
Operator:	BILL BARRETT CORP	
String type:	Surface	Project ID: 43-047-54729
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 91 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 1,056 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 1,200 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.**Re subsequent strings:**

Next setting depth: 7,918 ft
Next mud weight: 9.500 ppg
Next setting BHP: 3,908 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,200 ft
Injection pressure: 1,200 psi

Tension is based on buoyed weight.
Neutral point: 1,043 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1200	8.625	24.00	J-55	ST&C	1200	1200	7.972	6178

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	542	1370	2.526	1200	2950	2.46	25	244	9.74 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 2, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1200 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047547290000 Aurora State 2-32D-7-20		
Operator:	BILL BARRETT CORP		
String type:	Production	Project ID:	43-047-54729
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 185 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 604 ft

Burst

Max anticipated surface pressure: 2,166 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,908 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional Info - Build & Drop

Kick-off point 1400 ft
Departure at shoe: 463 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Tension is based on buoyed weight.
Neutral point: 6,806 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7947	5.5	17.00	I-80	LT&C	7918	7947	4.767	89165
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3908	6290	1.610	3908	7740	1.98	115.2	320	2.78 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 2, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7918 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name AURORA STATE 2-32D-7-20
API Number 43047547290000 **APD No** 10252 **Field/Unit** THREE RIVERS
Location: 1/4,1/4 NWNE Sec 32 Tw 7.0S Rng 20.0E 1028 FNL 1702 FEL
GPS Coord (UTM) 611587 4447561 **Surface Owner** BILL BARRETT CORP/CIRCLE B LAND

Participants

Whitney Szabo (permit contractor), Zack Garner and Jake Woodland (BBC), Cody Rich (surveyor), Terra Miller (land contractor)

Regional/Local Setting & Topography

This site is on a generally flat plain just over a mile south of Pelican Lake. Although near Pelican Lake, drainage here is to the east toward the Green River approximately 4 miles to the south east. To the south lie desert badlands and to the north and east are irrigated croplands. This area is becoming highly developed for oil and gas production.

Surface Use Plan

Current Surface Use

Grazing

New Road Miles

0.02

Well Pad

Width 300 Length 400

Src Const Material

Offsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Rubber rabbit brush, salt brush, sparse to no grass

Soil Type and Characteristics

Sandy loam with cobble and gravel

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Possibly if canal carries any flow to the well site

Erosion Sedimentation Control Required? N**Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	TDS>5000 and	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		30 1 Sensitivity Level

Characteristics / Requirements

The reserve pit as proposed is 155' x 107' x 10' deep and is placed in a cut stable location. According to Bill Barrett Corporation representative Zack Garner a 20 mil reserve pit liner and felt subliner is standard equipment on all BBC reserve pits and this will adequate for the site.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y**Other Observations / Comments**

Richard Powell
Evaluator

9/17/2014
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
10252	43047547290000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	BILL BARRETT CORP/CIRCLE B LAND	
Well Name	AURORA STATE 2-32D-7-20		Unit		
Field	THREE RIVERS		Type of Work	DRILL	
Location	NWNE 32 7S 20E S 1028 FNL 1702 FEL GPS Coord (UTM) 611590E 4447560N				

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 1,200 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 1,200 feet. A search of Division of Water Rights records shows 9 water wells within a 10,000 foot radius of the proposed location. Wells in the area are listed for domestic use, irrigation, oil field use and stock watering. Depths of the wells ranges from 16 to 300 feet. Listed wells probably produce from alluvial sediments and the Uinta Formation. The surface formation at this site is the Uinta Formation and associated alluvium. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Wells in the alluvial sediments are probably a more significant source of ground water. The proposed casing and cement should adequately protect any useable ground water.

Brad Hill
APD Evaluator

10/1/2014
Date / Time

Surface Statement of Basis

This proposed well site is on land owned by Circle B Land Co which is owned by Bill Barrett Corporation. Mineral ownership belongs to the State of Utah. Bill Barrett representatives Zack Garner and Jake Woodland were in attendance to represent both the production company and surface owner. This well is in a flat desert area about 1.5 miles south of Pelican which is becoming highly developed for oil and natural gas production. Toward the south and west sparsely vegetated desert shrublands continue along with further proposed oilfield development. Development is also high to the north and east but is here interspersed with irrigated cropland. There is a reserve pit proposed in a cut and stable location and according to Zack Garner BBC will use a 20 mil pit liner and felt subliner. This liner program appears adequate for the site. This site is flat and appears well suited for placement of this well. This well site is crossed by the Ouray Park Canal. I was told by land contractor Terra Miller and BBC representative Jake Woodland that this canal is abandoned and has been disturbed in other places. This canal is crossed by a Ultra production company well down stream from this point. Mr. Woodland stated that BBC had not been required to get a stream alteration permit for this canal because it is out of use.

Richard Powell
Onsite Evaluator

9/17/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/8/2014

API NO. ASSIGNED: 43047547290000

WELL NAME: AURORA STATE 2-32D-7-20

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: NWN 32 070S 200E

Permit Tech Review: ☒

SURFACE: 1028 FNL 1702 FEL

Engineering Review: ☒

BOTTOM: 0660 FNL 1980 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.17100

LONGITUDE: -109.68945

UTM SURF EASTINGS: 611590.00

NORTHINGS: 4447560.00

FIELD NAME: THREE RIVERS

LEASE TYPE: 3 - State

LEASE NUMBER: ML 49956

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - LPM4138148☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 49-1645☐ RDCC Review:☐ Fee Surface Agreement☒ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:

- 1 - Exception Location - bhill
- 3 - Commingle - ddoucet
- 5 - Statement of Basis - bhill
- 12 - Cement Volume (3) - hmacdonald
- 15 - Directional - dmason
- 23 - Spacing - dmason
- 25 - Surface Casing - hmacdonald

RECEIVED: November 12, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: AURORA STATE 2-32D-7-20
API Well Number: 43047547290000
Lease Number: ML 49956
Surface Owner: FEE (PRIVATE)
Approval Date: 11/12/2014

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Commingling:

Administrative approval for commingling the production from the Wasatch formation and the Green River formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 700' MD and tail cement to 500' above Lower Green River as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours

- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA STATE 2-32D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1702 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047547290000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: THREE RIVERS
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 1/6/2015	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 This well was spud on 1/6/2015 at 8:00 am by Triple A Drilling, Rig #TA 4037, Rig Type Soilmec SR/30. Continuous drilling is planned to commence on 2/1/2015.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 January 07, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/7/2015	

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 329
_Submitted By Pat Clark Phone Number 303-353-5374
Well Name/Number Aurora State 2-32D-7-20
Qtr/Qtr NW/NE Section 32 Township 7S Range 20E
Lease Serial Number ML 49956
API Number 43-047-5472900000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
Intermediate Casing
Production Casing
Liner

Other

Date/Time 1/17/2015 9:00 AM PM

BOPE

Initial BOPE test at surface casing point
BOPE test at intermediate casing point
30 day BOPE test

Other

Date/Time 1/17/2015 18:00 AM PM

Remarks Running 1200' of 8 5/8", 24#, J-55, STC csg.

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1702 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047547290000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: THREE RIVERS
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2015	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the January 2015 Drilling Activity for this well

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 05, 2015

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 2/5/2015	

**Aurora State 02-32D-7-20 1/15/2015 18:00 - 1/16/2015 06:00**

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	12.00	06:00	1	RIGUP & TEARDOWN	Prepare to MIRU

Aurora State 02-32D-7-20 1/16/2015 06:00 - 1/17/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	MIRU. Move rig 1 mile f/AS 5-32D-7-20 w/Howcroft trucking.
18:00	2.00	20:00	14	NIPPLE UP B.O.P	Nipple up riser, flowline.
20:00	1.50	21:30	20	DIRECTIONAL WORK	Rack and strap BHA. PU dir tools, scribe.
21:30	0.50	22:00	6	TRIPS	Tih, tag @ 87'.
22:00	8.00	06:00	2	DRILL ACTUAL	Steerable drlg 87' - 824'. Wob 26k, spp 1550 psi, dp 450 psi, rpm 77/92, gpm 540, rop 92 fph. Spud well @ 22:00.

Aurora State 02-32D-7-20 1/17/2015 06:00 - 1/18/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	2	DRILL ACTUAL	Steerable drlg 824' - 1225'. Wob 26k, spp 1750 psi, dp 450 psi, rpm 77/92, gpm 540, rop 134 fph. TD well @ 09:00.
09:00	0.50	09:30	5	COND MUD & CIRC	Sweep hole, C&C f/ST.
09:30	2.00	11:30	6	TRIPS	ST to 8" DCs. Hole in good shape.
11:30	0.50	12:00	5	COND MUD & CIRC	Sweep hole, C&C f/csg.
12:00	2.00	14:00	6	TRIPS	Toh f/csg.
14:00	1.00	15:00	20	DIRECTIONAL WORK	LD dir tools, mm, bit.
15:00	2.00	17:00	12	RUN CASING & CEMENT	RU to run csg. Run 1231' of 8 5/8", 24#, J-55, STC csg as follows: Float shoe, 1 jt csg, float collar, 27 jts csg. Tag bottom @ 1225'.
17:00	2.00	19:00	5	COND MUD & CIRC	C&C f/cement.
19:00	2.00	21:00	12	RUN CASING & CEMENT	HSM. RU HES, cement surface csg as follows: Pressure test to 3500 psi, pump 20 bbl H2O ahead, 40 bbls Superflush, 20 bbl H2O spacer. Mix and pump 220 sx(105 bbls) Halliburton light lead cmt @ 11.5 ppg, 2.69 yld, 16.44 gps H2O. Tail in with 310 sx(76 bbls) Premium Plus cement @ 14.8 ppg, 1.38 yld, 6.66 gps H2O. Drop plug, wash up on top of plug, displace with 75.6 bbls H2O. Full returns, max press 550 psi, bump plug to 1050 psi. Bled back 1.5 bbls, floats held. 35 bbls cement to surface.
21:00	1.00	22:00	12	RUN CASING & CEMENT	Run 120' 1" tubing down backside, top out w/50 sx(8 bbls) "G" cement @ 15.8 ppg, 1.16 yld, 5.01 gps H2O, 2% calcium chloride. Hole stood full, RD HES.
22:00	1.00	23:00	13	WAIT ON CEMENT	W.O.C.
23:00	2.50	01:30	21	OPEN	RD riser, cut off csg, weld on 11" X 5m 8 5/8" casinghead.
01:30	3.00	04:30	14	NIPPLE UP B.O.P	Set stack on, NUBOP.
04:30	1.50	06:00			Test BOPE.

Aurora State 02-32D-7-20 1/18/2015 06:00 - 1/19/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	15	TEST B.O.P	Finish testing BOPE.
07:30	0.50	08:00	21	OPEN	Install wear bushing.
08:00	1.00	09:00	20	DIRECTIONAL WORK	PU dir tools, scribe mm.
09:00	2.00	11:00	6	TRIPS	Tih, tag cement @ 1177'.
11:00	0.50	11:30	21	OPEN	Drill cmt, flt equip, 20' new hole to 1245'.
11:30	0.50	12:00	21	OPEN	Spot gel pill, pull into csg, F.I.T. to 136 psi f/10.5 EMW.
12:00	5.00	17:00	2	DRILL ACTUAL	Steerable drlg 1245' - 2175'. Wob 28k, spp 1750 psi, dp 550 psi, rpm 60/139, gpm 420, rop 190 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service. BOP drill daylight.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
17:30	12.50	06:00	2	DRILL ACTUAL	Steerable drlg 2175' - 3785'. Wob 28k, spp 1750 psi, dp 550 psi, rpm 60/139, gpm 420, rop 129 fph. Bop drill morning tour.

Aurora State 02-32D-7-20 1/19/2015 06:00 - 1/20/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 3785' - 4830'. Wob 28k, spp 1750 psi, dp 550 psi, rpm 60/139, gpm 420, rop 95 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service.
17:30	12.50	06:00	2	DRILL ACTUAL	Steerable drlg 4830' - 5962'. Wob 28k, spp 2150 psi, dp 650 psi, rpm 60/139, gpm 420, rop 91 fph.

Aurora State 02-32D-7-20 1/20/2015 06:00 - 1/21/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drlg 5962' - 6527'. Wob 26k, spp 2150 psi, dp 350 psi, rpm 60/139, gpm 400, rop 51 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service.
17:30	11.00	04:30	2	DRILL ACTUAL	Steerable drlg 6527' - 7004'. Wob 26k, spp 2150 psi, dp 350 psi, rpm 60/139, gpm 400, rop 43 fph.
04:30	1.50	06:00	21	OPEN	Work tight hole.

Aurora State 02-32D-7-20 1/21/2015 06:00 - 1/22/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	21	OPEN	Work tight hole. got pipe free.
07:00	1.00	08:00	5	COND MUD & CIRC	Sweep hole, C&C to clean holeup.
08:00	9.00	17:00	2	DRILL ACTUAL	Steerable drlg 7004' - 7183'. Wob 26k, spp 2150 psi, dp 350 psi, rpm 60/139, gpm 400, rop 20 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig service (function test pipe rams)
17:30	12.50	06:00	2	DRILL ACTUAL	Steerable drlg 7183' - 7476'. Wob 26k, spp 2150 psi, dp 350 psi, rpm 60/139, gpm 400, rop 25 fph.

Aurora State 02-32D-7-20 1/22/2015 06:00 - 1/23/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	CIRCUALTE SWEEP AROUND
07:00	1.50	08:30	6	TRIPS	SHORT TRIP TO 5800' WORK THROUGH TIGHT SPOTS FLOW CHECK HOLE NOT TAKING CORRECT DISPLACEMENT
08:30	0.50	09:00	3	REAMING	WASH AND REAM TO BOTTOM WORK THROUGH TIGHT SPOT @ 6902'
09:00	0.50	09:30	5	COND MUD & CIRC	CIRCULATE HOLE CLEAN
09:30	0.50	10:00	6	TRIPS	FINISH TRIP TO BOTTOM
10:00	1.00	11:00	5	COND MUD & CIRC	CIRCUALTE BOTTOMS UP AND RAISE MUD WEIGHT F/ 9.7 - 9.9 TO OPEN WELL UP AND HOLD BACK GAS
11:00	1.00	12:00	6	TRIPS	TRIP OUT OF HOLE
12:00	2.00	14:00	3	REAMING	WORKED TIGHT SPOT F/ 6234'-6168' 60 SPM 1300 PSI
14:00	1.00	15:00	5	COND MUD & CIRC	TRIP TO 5800' PUMP 140 BBLs STRATA PILL 15 PPB VANGUARD 15 PPB FLEX MEDIUM FOLLOWED BY CALCULATED DISPLACEMENT TO COVER BETWEEN 5500'-3500'
15:00	1.00	16:00	6	TRIPS	TRIP OUT OF THE HOLE TO 4605' HOLE TAKING CORRECT DISPLACEMENT
16:00	1.00	17:00	3	REAMING	WORK TIGHT HOLE F/ 4605'-4579'
17:00	5.00	22:00	6	TRIPS	TRIP OUT OF HOLE AND LAY DOWN B.H.A HOLE TAKING CORRECT DISPLACEMENT

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:00	1.00	23:00	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS BREAK BIT (NO SIGN OF BIT BALLING ON REAMERS OR BIT) BIT PICTURE IN ATTACHMENTS
23:00	1.00	00:00	6	TRIPS	MAKE UP ROLLER CONE BIT S/N W24526, BIT SUB, 3 6" DCs 15 HWDP
00:00	5.50	05:30	6	TRIPS	RUN IN HOLE FOR CLEAN OUT RUN FOR CASING
05:30	0.50	06:00	3	REAMING	WASH AND REAM THROUGHT IGHT SPOT @ 5916- 6200'

Aurora State 02-32D-7-20 1/23/2015 06:00 - 1/24/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	TRIP IN WITH ROLLER CONE FOR CLEAN OUT RUN WASH LAST 400 FEET
09:00	1.50	10:30	5	COND MUD & CIRC	CIRCULATE SWEEP AROUND AND RASIE LCM TO 4%
10:30	1.50	12:00	6	TRIPS	TRIP OUT OF HOLE TO 5800'
12:00	1.00	13:00	5	COND MUD & CIRC	TRIP TO 5800' PUMP 140 BBLS STRATA PILL 15 PPB VANGUARD 15 PPB FLEX MEDIUM FOLLOWED BY CALCULATED DISPLACMNT TO COVER BETWEEN 5500'-3500'
13:00	3.50	16:30	6	TRIPS	TRIP OUT OF HOLE LAY DOWN B.H.A BREAK BIT
16:30	0.50	17:00	21	OPEN	PULL WARE BUSHING
17:00	1.00	18:00	12	RUN CASING & CEMENT	PREP FLOOR AND TOP DRIVE FOR 5.5 CASING RUN
18:00	6.00	00:00	12	RUN CASING & CEMENT	RUN 5.5 CASING 17# L-80 LT&C CASING AS FOLLOWS 1 SHOE 2 JNTS 1 FLOAT 16 JNTS 1 MARKER 29 JNTS 1 MAKER 127 JNTS BLM AND UDOGM NOTICE WAS SENT OUT THU 1/15/2015 7:06
00:00	2.50	02:30	5	COND MUD & CIRC	TAG ON JOINT 175 CIRCULATE TWO FULL CIRCULATIONS WHILE WORKING THE PIPE LAY DOWN JOINT 175 PICK UP HANGER AND LAND OUT CASING PUMP 40 BBLS STRATA SWEEP
02:30	3.50	06:00	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 40 BBLS 10.5 PPG TUNED SPACER, 10 BBLS WATER SPACER 20 BBLS SUPER FLUSH 10 BBLS WATER 146 BBLS 340 SKS 11.0 PPG 2.34 YIELD LEAD CEMENT MIXED @ 10.1 GAL/SK, 187 BBLS 725 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.91 GAL/SK, SHUT DOWN WASH LINES TO PIT DROP PLUG AND DISPLACE WITH 171 BBLS CLAY-WEB WATER/ALDACIDEFINAL BLM AND UDOGM NOTICE WAS SENT OUT THU 1/15/2015 7:06 PM FINAL LIFT PRESSURE 1212 PSI LOST RETURNS 95 BBLS INTO DISPLACEMENT BUMP PLUG @ 1712 FLOATS HELD

Aurora State 02-32D-7-20 1/24/2015 06:00 - 1/24/2015 10:30

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	12	RUN CASING & CEMENT	RIG DOWN CEMENTERS
06:30	1.50	08:00	12	RUN CASING & CEMENT	SET PACK OFF WITH CAMERON AND TEST
08:00	1.00	09:00	14	NIPPLE DOWN B.O.P	NIPPLE DOWN B.O.Ps
09:00	1.50	10:30	21	OPEN	CLEAN PITS RELEASE RIG @ 10:30.

Aurora State 02-32D-7-20 1/26/2015 06:00 - 1/27/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

Aurora State 02-32D-7-20 1/28/2015 06:00 - 1/29/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status COMPLETION	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	LOGG	Logging	MIRU HES. HSM. RIH W/ GR/JB TO TAG 7342'. DRLG SHOW FC AT 7351' (HAVE 9' FILL). RUN RMT/CBL. LOG SHOWS GOOD CMT TD-5900', FAIR CMT 5900'-2900', POOR CMT 2900'-2300. TOC EST 1350'. SJ AT 5453'-5476' AND 6633'-6655'. RAN RMT TD-3000' AND CBL TD-SURFACE. DID NOT LOG WITH PRESSURE. RDMO HES. WELL SECURE.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	15.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# CAPSTAR 329
_Submitted By Pat Clark Phone Number 303-353-5374
Well Name/Number Aurora State 2-32D-7-20
Qtr/Qtr NW/NE Section 32 Township 7S Range 20E
Lease Serial Number _____
API Number 43-047-5472900000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

Casing – Please report time casing run starts, not cementing times.

Surface Casing
Intermediate Casing
☒ Production Casing
Liner
Other

Date/Time 1/22/2015 9:00 AM PM

BOPE

Initial BOPE test at surface casing point
BOPE test at intermediate casing point
30 day BOPE test
Other

Date/Time _____ AM PM

Remarks Running 7448' of 5 1/5" 17# I-80 LTC csg.

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA STATE 2-32D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1702 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047547290000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: THREE RIVERS
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/15/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center;"> THIS WELL HAD FIRST PRODUCTION AND FIRST GAS SALES ON 2/15/2015 </div> <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 17, 2015 </div>		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 2/16/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA STATE 2-32D-7-20	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047547290000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: THREE RIVERS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1702 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 07.0S Range: 20.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/28/2015	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the February 2015 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 March 02, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 3/2/2015

**Aurora State 02-32D-7-20 2/9/2015 06:00 - 2/10/2015 06:00**

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. SET & R/U FB PACKAGE. CHECK PRESSURE. ND 7" NIGHT CAP. NU 7" 5K X 5" 10K FRAC MANDREL. NU 5" 10K FRAC VALVES. PRES TEST CSG TO 6200 PSI WITH METHANOL, TEST FB EQUIP TO 2500/4500 PSI. ALL TEST GOOD. SECURE WELL. FRAC LINE FULL. 30-600S. GROUND & BOND TANKS. SET & TESTED ANCHORS.

Aurora State 02-32D-7-20 2/11/2015 06:00 - 2/12/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	MIRU WILLIES, HEAT FRAC LINE TO 105* (30-600S). RDMO

Aurora State 02-32D-7-20 2/12/2015 06:00 - 2/13/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.50	08:30	SRIG	Rig Up/Down	MIRU CUTTERS W/ 5" 10K LUBE.
08:30	1.50	10:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 50 PSI. RIH AND CORRELATE TO SJ AT 5453'-5476' AND 6633'-6655'. RUN DOWN AND PERF UTELAND BUTTE FORM 6871'-7289' WITH 60 HOLES IN 20' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
10:00	4.00	14:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET. 2 BLENDERS RIGGED UP AND IN LINE, FOR ACCESS FRAC
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	LOCK & SECURE WELL..

Aurora State 02-32D-7-20 2/13/2015 06:00 - 2/14/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	SMTG	Safety Meeting	AOL 05:30. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS.
06:30	1.50	08:00	DTIM	Downtime	WORKED ON TRANSMISSION ON 93 GRIZZLY FOR 1.5 HRS UNABLE TO FIX IT RAN JOB WITH OUT IT.
08:00	1.75	09:45	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 32 PSI AT 8:00 AM BREAK DOWN 1770 PSI AT 3.1 BPM. PMP 1600 GAL 15% HCL ACID W/ 120 BIO BALLS FOR DIVERSION. 10.0 BPM AT PSI. FLUSH W/ 6800 GAL. 20 BPM AT 1495 PSI. BALL OUT (MAX PRESSURE 2236 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN. STAGE FR PAD. STABLE RATE OF 72.5 BPM AT 3050 PSI. ISDP 999 . FG .57. PERFS OPEN 24/60 ISIP 1315, FG .61, MR 72.6 BPM, AR 68.2 BPM, MP 4420 PSI (ON FINAL FLUSH 2951 PSI), AP 1720 PSI BIOVERT "ACCESS FRAC" 300 LBS 20/40 WHITE 150,300 lbs 2.0-4.0 (20# HYBOR) SLK WTR 1352 BBLS, #20 LINEAR BBLS, 20# HYBOR 1831 BBL.BTR 3417 BBLS. STAGE SCORE 10 SHUT IN AND TURN OVER TO CUTTERS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
09:45	1.00	10:45	PFRT	Perforating	<p>PERF STG #2- PU HES 5-1/2" 10K CFP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE TO 900 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5453'-5476' & 6633'-6655'. RUN DOWN AND SET 5-1/2" CBP AT 6850' WITH 900 PSI. PULL UP AND PERF BSF/CSTL PK FORM 6407'-6829' WITH 45 HOLES IN 15' NET. END PERFS WITH 550 PSI.</p> <p>POOH AND VERIFY ALL GUNS SHOT. SHUT IN.</p> <p>TURN WELL OVER TO HES.</p>
10:45	1.25	12:00	FRAC	Frac. Job	<p>FRAC STG 2</p> <p>PRESSURE TEST LINES TO 7300 PSI.</p> <p>OPEN WELL W/ 250 PSI AT 10:55 AM</p> <p>BREAK DOWN 1176 PSI AT 5.6 BPM.</p> <p>PMP 1600 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 1040 PSI.</p> <p>FLUSH W/ 6668 GAL. 30.0 BPM AT 1710 PSI. BALL OUT (MAX PRESSURE 5864 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>STAGE FR PAD. STABLE RATE OF 70.2 BPM AT 2603 PSI. ISDP 1230 . FG .62.</p> <p>PERFS OPEN 40/45</p> <p>ISIP 1662, FG .68, MR 72 BPM, AR 68.4 BPM, MP 5864 PSI (ON FINAL FLUSH 2490 PSI), AP 2139 PSI</p> <p>BIOVERT "ACCESS FRAC" 250 LBS</p> <p>20/40 WHITE 150,400 lbs 2.0-4.0 (20# HYBOR)</p> <p>SLK WTR 1307 BBLS, #20 LINEAR 234 BBLS, 20# HYBOR 1368 BBL.BTR 3116 BBLS.</p> <p>STAGE SCORE 10</p> <p>SHUT IN AND TURN OVER TO CUTTERS</p>
12:00	1.00	13:00	PFRT	Perforating	<p>PERF STG #3- PU HES 5-1/2" 10K CFP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE TO 1400 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 6633'-6655'. RUN DOWN AND SET 5-1/2" CBP AT 6360' WITH 1300 PSI. PULL UP AND PERF DOUGLAS CREEK/3PT FORM 5992'-6335' WITH 45 HOLES IN 15' NET. END PERFS WITH 600 PSI.</p> <p>POOH AND VERIFY ALL GUNS SHOT. SHUT IN.</p> <p>TURN WELL OVER TO HES.</p>
13:00	1.25	14:15	FRAC	Frac. Job	<p>FRAC STG 3</p> <p>PRESSURE TEST LINES TO 7300 PSI.</p> <p>OPEN WELL W/ 450 PSI AT 13:05</p> <p>BREAK DOWN 2756 PSI AT 9.6 BPM.</p> <p>PMP 1600 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.0 BPM AT 2000 PSI.</p> <p>FLUSH W/ 6186 GAL. 29.3 BPM AT 2150 PSI. BALL OUT (MAX PRESSURE 4355 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 2669 PSI. ISDP 1080 . FG .61.</p> <p>PERFS OPEN 45/45</p> <p>ISIP 1556, FG .68, MR 70.6 BPM, AR 67.9 BPM, MP 3756 PSI (ON FINAL FLUSH 2400 PSI), AP 2304 PSI</p> <p>BIOVERT "ACCESS FRAC" 430 LBS</p> <p>20/40 WHITE 150,300 lbs 2.0-4.0 (20# HYBOR)</p> <p>SLK WTR 1296 BBLS, #20 LINEAR 398 BBLS, 20# HYBOR 1353 BBL.BTR 3335 BBLS.</p> <p>STAGE SCORE 10</p> <p>SHUT IN AND TURN OVER TO CUTTERS</p>

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:15	1.00	15:15	PFRT	Perforating	PERF STG #4- PU HES 5-1/2" 10K CFP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE TO 1300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5453'-5476'. RUN DOWN AND SET 5-1/2" CBP AT 5800' WITH 1300 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 5536'-5777' WITH 39 HOLES IN 13' NET. END PERFS WITH 1000 PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN. TURN WELL OVER TO HES.
15:15	1.25	16:30	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7500 PSI. OPEN WELL W/ 170 PSI AT 15:12 BREAK DOWN 2761 PSI AT 9.9 BPM. PMP 1600 GAL 15% HCL ACID W/ 78 BIO BALLS FOR DIVERSION. 9.9 BPM AT 2015 PSI. FLUSH W/ 5640 GAL. 29.4 BPM AT 2450 PSI. BALL OUT (MAX PRESSURE 6081 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN. STAGE FR PAD. STABLE RATE OF 70.4 BPM AT 3112 PSI. ISDP 1444 . FG .69. PERFS OPEN 30/39 ISIP 1674, FG .72, MR 71.4 BPM, AR 70.3 BPM, MP 6081 PSI (ON FINAL FLUSH 2775 PSI), AP 2825 PSI BIOVERT "ACCESS FRAC" 435 LBS 20/40 WHITE 150,400 lbs 2.0-4.0 (20# HYBOR) SLK WTR 1284 BBLS, #20 LINEAR 271,20# HYBOR 1417 BBL.BTR 3187 BBLS. STAGE SCORE 10 SHUT IN AND TURN OVER TO CUTTERS
16:30	1.00	17:30	PFRT	Perforating	PERF STG #5- PU HES 5-1/2" 10K CFP AND GUNS FOR STAGE 5 INTO LUBE AND EQUALIZE TO 1500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 5453'-5476'. RUN DOWN AND SET 5-1/2" CBP AT 5526' WITH 1550 PSI. PULL UP AND PERF PELICAN/TGR3 FORM 5273'-5511' WITH 45 HOLES IN 15' NET. END PERFS WITH PSI. POOH AND VERIFY ALL GUNS SHOT. SHUT IN. TURN WELL OVER TO HES.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE.

Aurora State 02-32D-7-20 2/14/2015 06:00 - 2/15/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	SMTG	Safety Meeting	AOL 06:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA, OVER HEAD LOADS, PICKING UP LAYING DOWN GUNS.
08:00	4.25	12:15	DTIM	Downtime	SUCTION PUMP NOT TURNING ON FB4K BLENDER. TRY BOOSTING OFF OF TUB UNABLE TO PRIME UP OR PSI TEST ANY PUMPS. SHUT DOWN ALL EQUIPMENT BREAK HOSES OFF OF SUCTION HEADERS ON PUMPS AND FOUND BIOVERT IN ALL PUMP TRUCKS CAUSING US TO BE UNABLE TO PRIME OR TEST PUMPS. RIG DOWN FB4K CLEAN OUT PUMP TRUCKS. RIG UP ANOTHER FB4K BLENDER @ 10:45AM. WORK ON PRIMING TRUCKS UP TILL 12:15AM. HAD TO SEND HIGH VISC SWEEPS THROUGH EQUIP TO FB TANK TO CLEAN UP PUMPS.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
12:15	1.75	14:00	FRAC	Frac. Job	<p>FRAC STG 5 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 1010 PSI AT 12:25 BREAK DOWN 1430 PSI AT 9.7 BPM. PMP 1600 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.9 BPM AT 1490 PSI. FLUSH W/ 5381 GAL. 28.0 BPM AT 2175 PSI. BALL OUT (MAX PRESSURE 6115 PSI), SHUT DOWN PMP. SURGE 3X. SHUT DOWN FOR 5 MIN.</p> <p>STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 3239 PSI. ISDP 1327 . FG .68. PERFS OPEN 22/45</p> <p>ISIP 1627, FG .73, MR 71.6 BPM, AR 70.5 BPM, MP 4076 PSI (ON FINAL FLUSH 2725 PSI), AP 2598 PSI BIOVERT "ACCESS FRAC" 441 LBS 20/40 WHITE 149,380 lbs 2.0-4.0 (20# HYBOR) SLK WTR 1275 BBLS, #20 LINEAR 234 BBLS, 20# HYBOR 1450 BBL.BTR 3177 BBLS.</p> <p>STAGE SCORE 10</p> <p>HES RIG DOWN CANDY CANES SHUT IN AND TURN OVER TO CUTTERS</p>
14:00	1.00	15:00	WLWK	Wireline	KILL PLUG- PU 5-1/2" HES PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1300 PSI. RIH & SET KILL PLUG AT 5246' WITH 1300 PSI. BLEED OFF AS POOH.
15:00	2.50	17:30	SRIG	Rig Up/Down	RDMO HES AND CUTTERS FRAC FLEET.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE. STACK FRAC WTR. MOVE OFF FRAC LINE.

Aurora State 02-32D-7-20 2/15/2015 06:00 - 2/16/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.00	08:00	SRIG	Rig Up/Down	ROAD RIG TO LOCATION. RUSU.
08:00	1.50	09:30	BOPI	Install BOP's	CHECK PRESSURE. ND FRAC VALVES. NU 7" 5K BOP AND HYDRIL. RU FLOOR.
09:30	1.50	11:00	GOP	General Operations	SPOT IN CATWALK AND PIPE RACKS. UNLOAD 237-JTS 2-7/8" L-80.
11:00	3.00	14:00	RUTB	Run Tubing	MU 4-3/4" BIT, BIT SUB (BFF), 1-JT TBG, PORTED DRAIN SUB. RIH AS MEAS AND PU 2-7/8" L-80 TBG.
14:00	1.00	15:00	PTST	Pressure Test	RU PWR SWIVEL W/ #165. FILL TBG. PRES TEST BOP AND LINES TO 2500 PSI. PIPE RAMS LEAKED. PULL OUT. INSPECT AND C/O SAND FROM BOP. INSTALL AND RE-TEST TO 2500 PSI. GOOD.
15:00	4.00	19:00	DOPG	Drill Out Plugs	<p>EST CIRC. PMP 1 BPM. HOLD 500 PSI ON 10/64 AS D/O KILL PLUG. THEN RETURN AT 2 BPM.</p> <p>CBP #1 AT 5246'. 0' SAND. D/O IN 20 MIN. FCP 750 PSI ON 14/64". RIH CBP #2 AT 5526'. 25' SAND. D/O IN 15 MIN. FCP 1000 PSI ON 18/64". RIH. CBP #3 AT 5800'. 55' SAND. D/O IN 10 MIN. FCP 750 PSI ON 20/64". RIH. CBP #4 AT 6360'. 200' SAND. D/O IN 10 MIN. FCP 500 PSI ON 20/64". RUN 1-JT.</p> <p>HANG PWR SWIVEL. CIRC CLEAN. TURN OVER TO FBC AND PRODUCTION. SDFN</p>
19:00	11.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PRODUCTION AND FB CREW FOR NIGHT ON 16/64" WITH 600 PSI.

Aurora State 02-32D-7-20 2/16/2015 06:00 - 2/17/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. CSG FLOWING TO TREATER 250 PSI ON 20/64" CHOKE. MADE 50 BWPH. NO OIL OR GAS. TURN TO FB TANK.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	4.00	11:00	DOPG	Drill Out Plugs	CONT RIH AS D/O PLUG CBP #5 AT 6850'. C/O 110' SAND. D/O IN 10 MIN. FCP 300 PSI ON 20/64". RIH. C/O 100' SAND TO F.C AT 7350'. D/O 32' CMT TO 7382' FOR PBTD. CIRC CLEAN. RD PWR SWIVEL.
11:00	1.00	12:00	PULT	Pull Tubing	POOH AS LD 70-JTS TBG. LUBE IN AND LAND HANGER. TBG DETAIL KB 13.00 HANGER .85 162-JTS 2-7/8" L-80 5142.91 DRAIN SUB 1.02 1-JT 2-7/8" L-80 31.75 BIT SUB (BFF) 2.04 4-3/4" BIT .37 EOT AT 5191.94'
12:00	2.00	14:00	BOPR	Remove BOP's	RD FLOOR. ND BOP. NU WH. DROP BAR DOWN TBG TO SHEAR DRAIN PINS. TURN WELL OVER TO FB CREW AND PRODUCTION. FTP 350 PSI ON 18/64", SICP 250 PSI. STAYED RIGGED UP OVERNIGHT.
14:00	16.00	06:00	FBCK	Flowback Well	CREW TRAVEL. WELL FLOWING TO PRODUCTION.

Aurora State 02-32D-7-20 2/17/2015 06:00 - 2/18/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	WELL FLOWING 20 BWPH ON 18/64 W/ 125 FTP, 125 SICP. OPEN CSG AND CHOKE. BYPASS TREATER. STILL HAVE SLOW FLOW. CREW TRAVEL. HSM.
07:00	3.00	10:00	FBCK	Flowback Well	FLOW BACK WELL TO PRODUCTION. PUMP PROD WTR DOWN TBG AS WAIT ON 10# BRINE. PUMP 100 BBLs 10#.
10:00	1.00	11:00	BOPI	Install BOP's	ND WH. NU BOP. RU FLOOR. PULL HANGER.
11:00	1.50	12:30	PULT	Pull Tubing	POOH W/ 163-JTS TBG AND D/O BHA.
12:30	3.00	15:30	RUTB	Run Tubing	MU PROD BHA AND RIH. PU TBG TO LAND. SET 5-1/2" 8RD TAC. TBG DETAIL KB 13.00 HANGER .85 STRETCH 2.53 219-JTS 2-7/8" L-80 6950.19 5-1/2" 8RD TAC 2.75 3-JTS 2-7/8" L-80 95.21 PSN 1.10 4' TBG SUB 4.15 3-1/2" DESANDER 17.20 5-JTS 2-7/8" L-80 158.68 BULL PLUG .75 TAC AT 6969.32', PSN AT 7065.63', EOT AT 7246.41'.
15:30	1.50	17:00	BOPR	Remove BOP's	RD FLOOR. ND WH. LAND HANGER IN 20K TENSION. NU WH. X-O FOR RODS.
17:00	13.00	06:00	CTRL	Crew Travel	CREW TRAVEL. HSM.

Aurora State 02-32D-7-20 2/18/2015 06:00 - 2/19/2015 06:00

API 43-047-54729	State/Province Utah	County Uintah	Field Name Aurora	Well Status PRODUCING	Total Depth (ftKB) 7,476.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	4.50	11:30	RURP	Run Rods & Pump	PU AND PRIME PUMP. RIH W/ PUMP AS PU RODS. SEAT AND SPACE OUT PUMP. ROD DETAIL 1-1/2 X 30' POLISH ROD 2', 4', 6', 8' X 7/8" PONY RODS 99) 7/8" D 4 PER 148) 3/4" D 4 PER 32) 1" D 4 PER SHEAR CPLG 25-175-RHBC-20-5-21-24 PUMP (ACCELERATED)
11:30	0.50	12:00	PTST	Pressure Test	FILL TBG W/ 1 BBLs. STROKE TEST PUMP TO 800 PSI. (4 STROKES)
12:00	2.00	14:00	SRIG	Rig Up/Down	HANG HEAD AND RODS ON. RDSU. BALANCE UNIT. PWOP.
14:00	2.00	16:00	RMOV	Rig Move	MOVE OFF.
16:00	14.00	06:00	GOP	General Operations	CREW TRAVEL. WELL ON PRODUCTION

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: AURORA STATE 2-32D-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1702 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 07.0S Range: 20.0E Meridian: S		9. API NUMBER: 43047547290000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: THREE RIVERS
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <div style="border: 1px solid black; padding: 2px; display: inline-block;">3/3/2015</div> <input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ATTACHED PLEASE FIND THE SITE SECURITY DIAGRAM FOR THIS LOCATION

Approved by the

March 04, 2015

Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/3/2015	

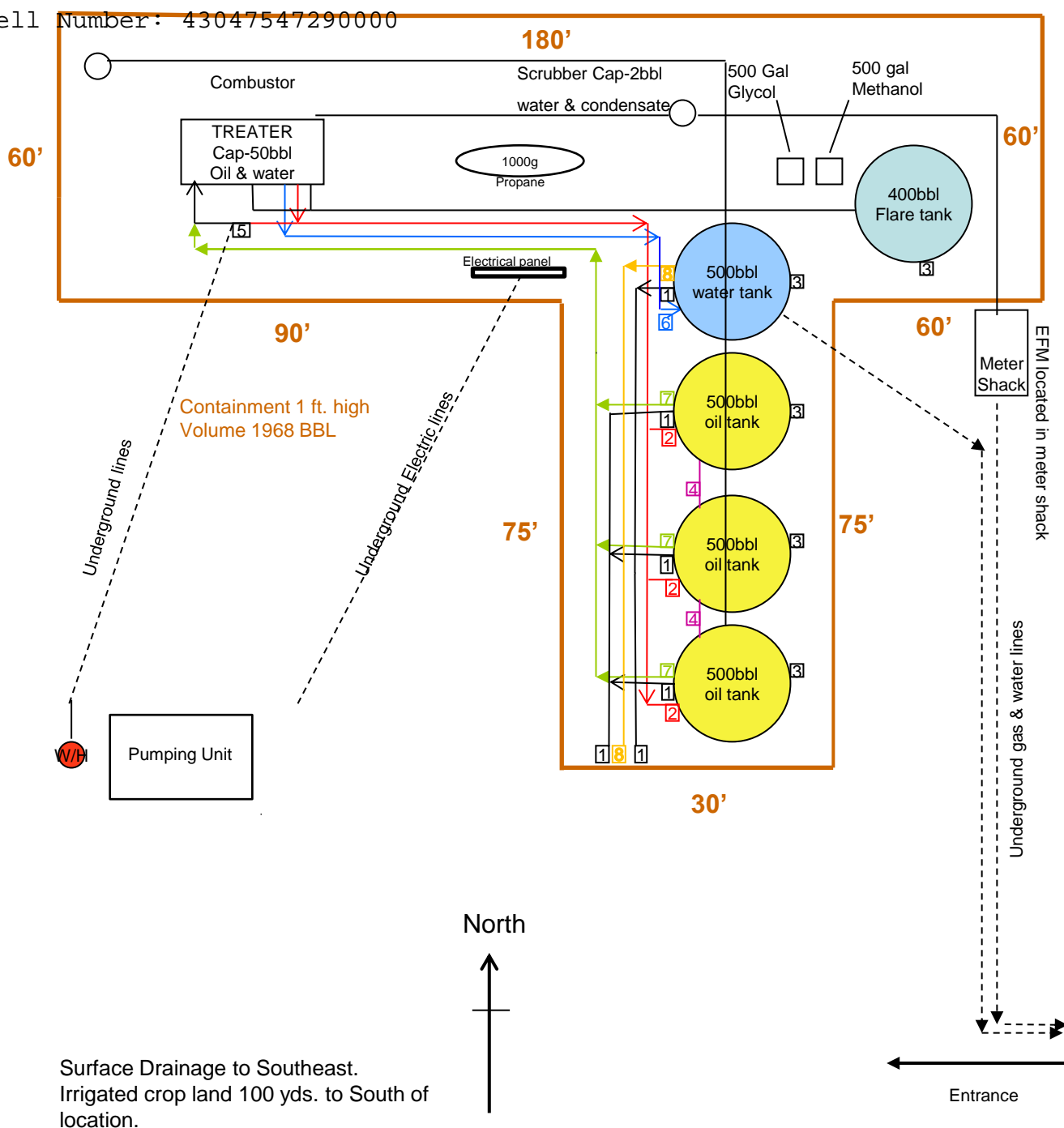
Sundry Number: 61305 API Well Number: 43047547290000

BILL BARRETT CORPORATION
FEE/STATE
Aurora State 2-32D-7-20
NW ¼ NE ¼ Sec 32,T7S, R20E,
Lease # ML 49956
API # 43-047-54729
Utah Co. Utah

Site Security Plan Located at
Bill Barrett Corporation
Roosevelt Office
ROUTE 3 BOX 3110
1820 W HIGHWAY 40
ROOSEVELT, UT 84066

1 - 4" LOAD LINE
Production Phase – sealed closed
Sales Phase- open to load Production bought
2 – 3" OIL LINES
Production Phase – open
Sales Phase – sealed close
3 – 4" DRAIN
Production Phase – sealed closed
Sales Phase – sealed closed
Drain water – open
4 – 4" UPPER EQUALIZER
Production Phase – open
Sales Phase – sealed close
5 – BYPASS
6 – 3" WATER LINES
Production Phase – open
No Sales Phase
7- 2" RECYCLE
Production – open
Sales – sealed closed
8- 2" WATER TANK SKIM

- PRV, RUPTURE DISC & FLARE LINES- tie in to flare tank
for emergency pressure relief of treater



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER:			
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME			
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						8. WELL NAME and NUMBER:			
2. NAME OF OPERATOR:						9. API NUMBER:			
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____					PHONE NUMBER:	10 FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:			
						12. COUNTY		13. STATE	
								UTAH	
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL):			
18. TOTAL DEPTH: MD _____ TVD _____		19. PLUG BACK T.D.: MD _____ TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)					23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)				
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY	
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____			

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 2/15/2015 and first oil sales 2/27/15. Additional cores were taken and will submitted to the commission when BBC receives them

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE **Electronic Signature** _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Aurora State 2-32D-7-20 Report Continued*

ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)				
AMOUNT AND TYPE OF MATERIAL				
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs 100 Common Mesh</u>	<u>lbs 20/40 Prem. White</u>	<u>gal 15% HCl Acid</u>
1	3,600	n/a	150,300	1,600
2	3,298	n/a	150,400	1,600
3	3,513	n/a	150,300	1,500
4	3,378	n/a	150,400	1,500
5	3,375	n/a	149,380	1,400

*Depth intervals for frac information same as perforation record intervals.



Bill Barrett Corporation

Fort Duchesne

SECTION 32 T7S, R20E

Aurora State 2-32D-7-20

Wellbore #1

Design: Actual

End of Well Report

27 January, 2015





Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Well:	Aurora State 2-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Project		Fort Duchesne	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site		SECTION 32 T7S, R20E									
Site Position:		Northing:		11,123,640.10 usft		Latitude:		40° 10' 14.080 N			
From:		Lat/Long		Easting:		2,143,801.42 usft		Longitude:		109° 42' 0.460 W	
Position Uncertainty:		0.0 usft		Slot Radius:		13-3/16 "		Grid Convergence:		1.10 °	

Well		Aurora State 2-32D-7-20, SHL: 40° 10' 15.500 -109° 41' 22.180				
Well Position	+N/-S	0.0 usft	Northing:	11,123,841.28 usft	Latitude:	40° 10' 15.500 N
	+E/-W	0.0 usft	Easting:	2,146,772.17 usft	Longitude:	109° 41' 22.180 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	4,807.0 usft	Ground Level:	4,794.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/16/2015	10.72	65.88	52,041

Design		Actual			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	318.20

Survey Program		Date	1/27/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
439.0	7,476.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Well:	Aurora State 2-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
439.0	0.26	153.72	439.0	-1.0	-0.9	0.4	0.06	0.06	0.00	
531.0	0.40	165.85	531.0	-1.4	-1.4	0.6	0.17	0.15	13.18	
623.0	0.53	159.78	623.0	-2.1	-2.1	0.8	0.15	0.14	-6.60	
715.0	0.44	179.07	715.0	-2.8	-2.9	1.0	0.20	-0.10	20.97	
789.0	0.31	265.69	789.0	-2.9	-3.2	0.8	0.71	-0.18	117.05	
877.0	0.18	241.26	877.0	-2.7	-3.2	0.4	0.19	-0.15	-27.76	
963.0	0.13	206.41	963.0	-2.7	-3.4	0.3	0.12	-0.06	-40.52	
1,050.0	0.22	210.54	1,050.0	-2.8	-3.6	0.1	0.10	0.10	4.75	
1,138.0	0.40	233.61	1,138.0	-2.8	-4.0	-0.2	0.24	0.20	26.22	
1,257.0	0.31	208.63	1,257.0	-2.9	-4.5	-0.7	0.15	-0.08	-20.99	
1,343.0	0.49	327.83	1,343.0	-2.6	-4.4	-1.0	0.81	0.21	138.60	
1,429.0	1.19	306.24	1,429.0	-1.4	-3.5	-1.9	0.88	0.81	-25.10	
1,515.0	2.12	335.41	1,514.9	1.0	-1.6	-3.3	1.43	1.08	33.92	
1,603.0	2.39	322.10	1,602.9	4.4	1.4	-5.1	0.67	0.31	-15.12	
1,688.0	3.89	326.73	1,687.7	9.0	5.2	-7.8	1.79	1.76	5.45	
1,773.0	4.91	325.32	1,772.5	15.5	10.6	-11.4	1.21	1.20	-1.66	
1,860.0	6.50	325.93	1,859.1	24.1	17.7	-16.3	1.83	1.83	0.70	
1,947.0	7.91	328.14	1,945.4	34.8	26.9	-22.2	1.65	1.62	2.54	
2,035.0	8.48	327.04	2,032.5	47.2	37.5	-28.9	0.67	0.65	-1.25	
2,123.0	8.79	326.02	2,119.5	60.3	48.5	-36.2	0.39	0.35	-1.16	
2,209.0	8.71	327.83	2,204.5	73.2	59.5	-43.4	0.33	-0.09	2.10	
2,297.0	8.71	326.82	2,291.5	86.4	70.7	-50.6	0.17	0.00	-1.15	
2,384.0	9.28	327.83	2,377.4	99.8	82.1	-57.9	0.68	0.66	1.16	
2,472.0	9.28	327.12	2,464.2	113.8	94.1	-65.5	0.13	0.00	-0.81	
2,559.0	9.10	326.33	2,550.1	127.6	105.7	-73.1	0.25	-0.21	-0.91	
2,646.0	9.10	324.44	2,636.0	141.2	117.0	-81.0	0.34	0.00	-2.17	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Well:	Aurora State 2-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
2,733.0	9.72	322.94	2,721.9	155.4	128.5	-89.4	0.77	0.71	-1.72	
2,819.0	9.28	324.22	2,806.7	169.5	139.9	-97.8	0.57	-0.51	1.49	
2,905.0	9.19	322.94	2,891.6	183.2	151.0	-106.0	0.26	-0.10	-1.49	
2,992.0	9.32	327.52	2,977.4	197.1	162.5	-114.0	0.86	0.15	5.26	
3,080.0	8.00	323.03	3,064.4	210.2	173.4	-121.5	1.68	-1.50	-5.10	
3,166.0	7.20	331.53	3,149.7	221.4	182.9	-127.7	1.60	-0.93	9.88	
3,253.0	6.89	328.23	3,236.0	231.9	192.1	-133.0	0.59	-0.36	-3.79	
3,339.0	6.50	319.32	3,321.4	241.8	200.2	-138.9	1.29	-0.45	-10.36	
3,427.0	6.89	321.00	3,408.8	252.1	208.1	-145.5	0.50	0.44	1.91	
3,515.0	7.69	319.10	3,496.1	263.2	216.7	-152.6	0.95	0.91	-2.16	
3,601.0	9.10	320.73	3,581.2	275.8	226.3	-160.7	1.66	1.64	1.90	
3,689.0	10.38	324.92	3,667.9	290.6	238.1	-169.7	1.66	1.45	4.76	
3,775.0	9.99	325.63	3,752.6	305.7	250.6	-178.3	0.48	-0.45	0.83	
3,863.0	9.81	329.11	3,839.3	320.6	263.4	-186.5	0.71	-0.20	3.95	
3,951.0	9.59	324.61	3,926.0	335.3	275.8	-194.6	0.90	-0.25	-5.11	
4,038.0	8.71	325.01	4,011.9	349.0	287.1	-202.6	1.01	-1.01	0.46	
4,126.0	7.91	316.42	4,099.0	361.7	296.9	-210.6	1.68	-0.91	-9.76	
4,212.0	6.58	300.02	4,184.3	372.3	303.7	-218.9	2.84	-1.55	-19.07	
4,300.0	7.29	295.62	4,271.6	382.2	308.6	-228.3	1.01	0.81	-5.00	
4,387.0	7.11	296.81	4,358.0	392.4	313.4	-238.1	0.27	-0.21	1.37	
4,475.0	7.51	302.53	4,445.2	403.0	319.0	-247.8	0.94	0.45	6.50	
4,562.0	8.00	313.20	4,531.5	414.5	326.2	-257.0	1.75	0.56	12.26	
4,649.0	7.11	324.30	4,617.7	425.9	334.7	-264.6	1.96	-1.02	12.76	
4,734.0	4.82	324.70	4,702.2	434.6	341.9	-269.7	2.69	-2.69	0.47	
4,822.0	4.82	327.30	4,789.9	442.0	348.0	-273.8	0.25	0.00	2.95	
4,909.0	4.60	331.93	4,876.6	449.0	354.2	-277.4	0.50	-0.25	5.32	
4,997.0	4.51	327.61	4,964.4	455.8	360.2	-281.0	0.40	-0.10	-4.91	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Well:	Aurora State 2-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
5,084.0	3.31	329.64	5,051.2	461.6	365.3	-284.1	1.39	-1.38	2.33	
5,171.0	3.18	315.93	5,138.0	466.5	369.2	-287.0	0.90	-0.15	-15.76	
5,257.0	2.39	314.92	5,223.9	470.7	372.2	-289.9	0.92	-0.92	-1.17	
5,345.0	1.81	310.03	5,311.9	473.9	374.3	-292.3	0.69	-0.66	-5.56	
5,432.0	0.71	340.83	5,398.8	475.7	375.7	-293.5	1.44	-1.26	35.40	
5,519.0	0.71	344.93	5,485.8	476.7	376.8	-293.8	0.06	0.00	4.71	
5,605.0	0.62	263.71	5,571.8	477.5	377.2	-294.4	1.01	-0.10	-94.44	
5,693.0	0.71	244.01	5,659.8	477.9	376.9	-295.4	0.28	0.10	-22.39	
5,780.0	1.50	215.50	5,746.8	477.8	375.8	-296.6	1.08	0.91	-32.77	
5,867.0	0.62	155.53	5,833.8	477.1	374.4	-297.0	1.50	-1.01	-68.93	
5,954.0	1.68	180.03	5,920.8	475.7	372.7	-296.8	1.32	1.22	28.16	
6,042.0	1.10	200.12	6,008.7	474.3	370.6	-297.1	0.85	-0.66	22.83	
6,128.0	2.30	198.62	6,094.7	473.1	368.2	-298.0	1.40	1.40	-1.74	
6,214.0	2.12	211.14	6,180.6	471.8	365.2	-299.3	0.60	-0.21	14.56	
6,301.0	1.10	213.43	6,267.6	471.1	363.2	-300.6	1.17	-1.17	2.63	
6,388.0	1.02	234.14	6,354.6	471.0	362.0	-301.7	0.45	-0.09	23.80	
6,475.0	1.19	206.82	6,441.6	470.7	360.7	-302.7	0.63	0.20	-31.40	
6,562.0	1.59	185.93	6,528.5	469.6	358.7	-303.3	0.73	0.46	-24.01	
6,650.0	1.41	192.72	6,616.5	468.1	356.5	-303.6	0.29	-0.20	7.72	
6,738.0	1.28	175.00	6,704.5	466.7	354.4	-303.8	0.49	-0.15	-20.14	
6,825.0	1.68	175.31	6,791.5	464.9	352.2	-303.6	0.46	0.46	0.36	
6,913.0	1.99	177.12	6,879.4	462.7	349.4	-303.4	0.36	0.35	2.06	
7,000.0	1.90	150.02	6,966.4	460.1	346.6	-302.6	1.05	-0.10	-31.15	
7,088.0	1.59	158.13	7,054.3	457.5	344.2	-301.4	0.45	-0.35	9.22	
7,175.0	1.68	168.61	7,141.3	455.3	341.9	-300.7	0.36	0.10	12.05	
7,261.0	2.21	158.04	7,227.2	452.6	339.1	-299.9	0.74	0.62	-12.29	
7,348.0	1.90	152.13	7,314.2	449.7	336.2	-298.6	0.43	-0.36	-6.79	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well Aurora State 2-32D-7-20
Project:	Fort Duchesne	TVD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Site:	SECTION 32 T7S, R20E	MD Reference:	Aurora State 2-32D-7-20 @ 4807.0usft (CAPSTAR 329)
Well:	Aurora State 2-32D-7-20	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

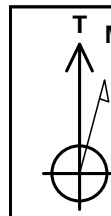
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
7,424.0	1.81	164.82	7,390.1	447.4	334.0	-297.7	0.55	-0.12	16.70
7,476.0	1.81	164.82	7,442.1	445.9	332.4	-297.2	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 61416 API Well Number: 43047547290000

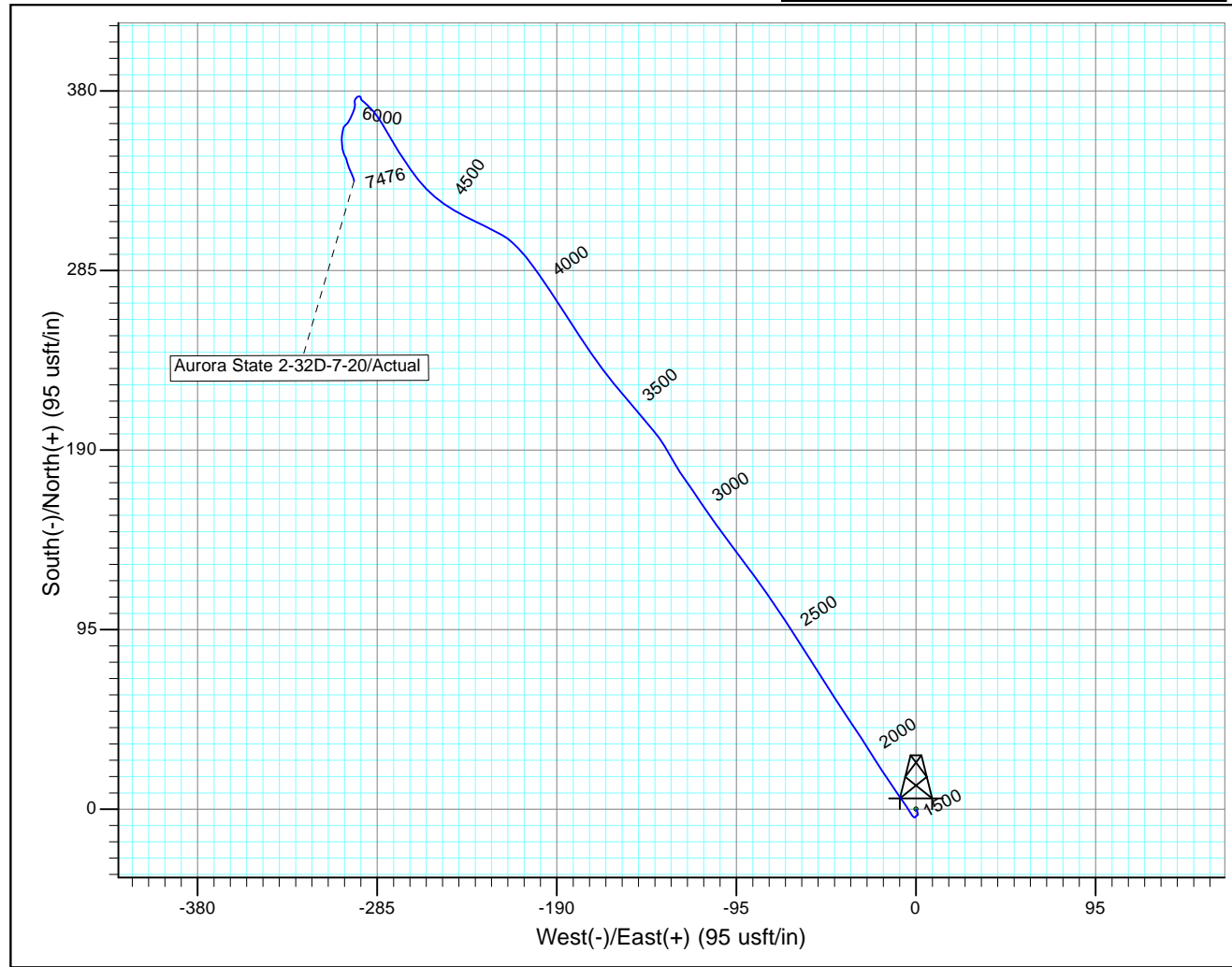
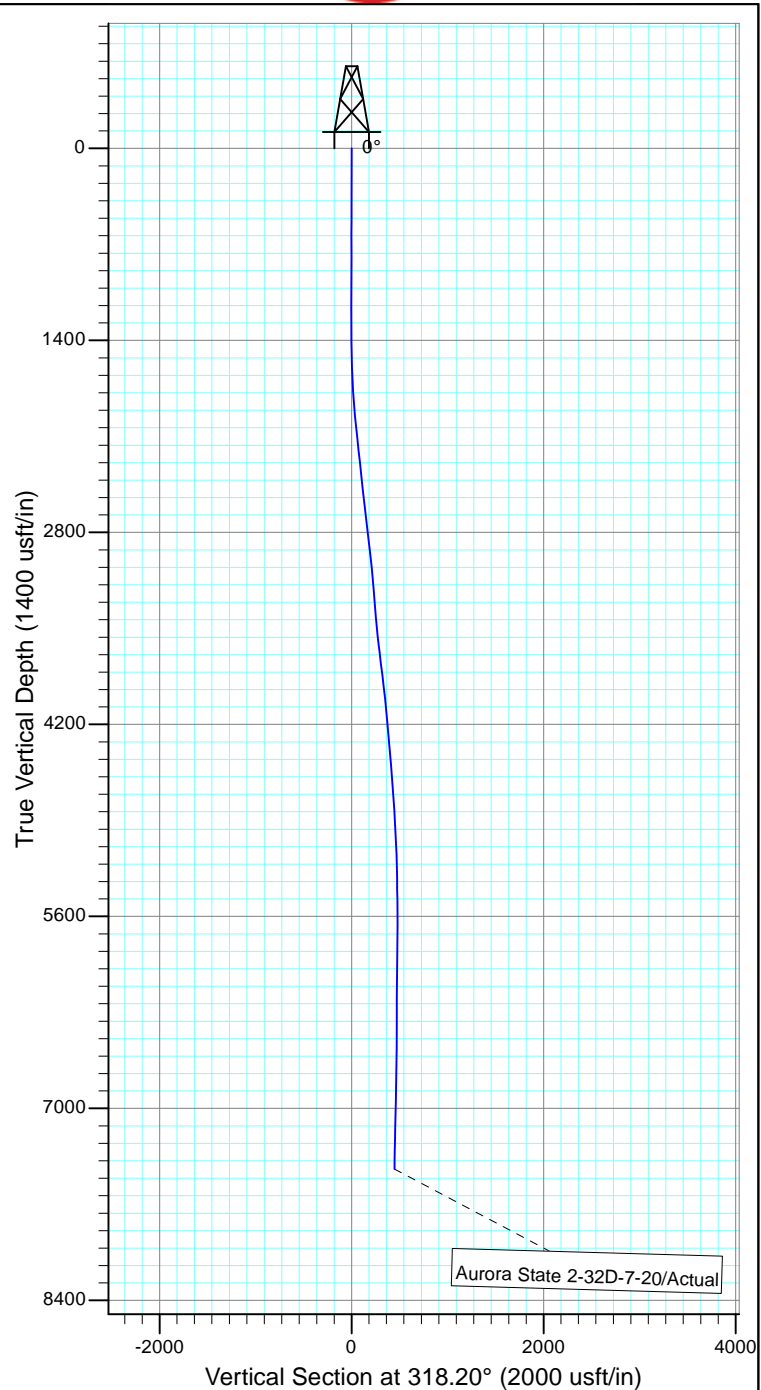


Project: Fort Duchesne
Site: SECTION 32 T7S, R20E
Well: Aurora State 2-32D-7-20
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.72°

Magnetic Field
Strength: 52040.6snT
Dip Angle: 65.88°
Date: 1/16/2015
Model: IGRF2010



Design: Actual (Aurora State 2-32D-7-20/Wellbore #1)

Created By: Matthew Linton

Date: 6:48, January 27 2015

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 49956
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: AURORA STATE 2-32D-7-20	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047547290000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: THREE RIVERS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1028 FNL 1702 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 07.0S Range: 20.0E Meridian: S	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/21/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE PIT WAS CLOSED AND INTERIM RECLAMATION ON THIS PAD WAS
DONE ON 9/21/2015

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 02, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 10/13/2015